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U.S. SCHOOLS OF PUBLIC HEALTH

DATA REPORT ON APPLICANTS, STUDENTS, GRADUATES AND EXPENDITURES 1983-84

WITH TRENDS ANALYSIS FOR 1974-75 THROUGH 1983-84

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TABLE OF CONTENTS

Page

Preface.....iii
Notes on Data.....iv

Chapter 1 - Applicants.....1
A. Fall 1983 Applicants.....1
Summary characteristics.....2
Table 1-1 Applicants by School, Sex & Citizenship.....3
Table 1-2 U.S. Applicants by School & Race.....4
Table 1-3 Applicants by Area, Sex & Citizenship.....5
Table 1-4 U.S. Applicants by Area & Race.....6
Table 1-5 Applicants by School & Area.....7
Table 1-6 Applicants/Acceptances/Enrollments by School.....8
Table 1-7 Applicants/Acceptances/Enrollments by Sex, Citizenship, Race & Area.....9
B. Applicant Trends 1974/75 - 1983/84.....10
Summary Tables on Applicants including Citizenship, Sex, Race, Area, School and Applications/Acceptances/Enrollment Trends.....11
Chapter 2 - New Enrollments, Fall 1983.....15
Summary Characteristics.....16
Table 2-1 New Enrollments by School, Sex & Citizenship.....17
Table 2-2 U.S. New Enrollments by School & Race.....18
Table 2-3 New Enrollments by Area, Sex & Citizenship.....19
Table 2-4 U.S. New Enrollments by Area & Race.....20
Chapter 3 - Students.....21
A. Fall 1983 Students.....21
Summary Characteristics.....23
Table 3-1 Students by School, Sex & Citizenship.....24
Table 3-2 U.S. Students by School & Race.....25
Table 3-3 Students by Degree Objective, Sex, Citizenship & Race.....26
Table 3-4 Joint Degrees by Area, Sex & Race.....27
Table 3-5 Students by Area, Sex, Citizenship & Race..28
Table 3-6 U.S. Students by Area, Sex & Race.....29
Table 3-7 Data on Area & Degree Objective of Hispanic Students Excluding Puerto Rico....30
Table 3-8 Students by School and Area.....31
Table 3-9 Students by Area & Degree Objective.....32
Table 3-10 Breakdown of PHP&PM and Other Areas.....33
Table 3-11 Student Status by Area & Degree Objective.....34
Table 3-12 Student Status by School.....35
B. Student Trends 1974/75 - 1983/84.....36
Summary Tables and Students including Sex, Citizenship, Race, Status, Area, Degree Objective and School.....39

Chapter 4 - Graduates.....44
A. 1983-84 Graduates.....44
Summary Characteristics.....45
Table 4-1 Graduates by School, Sex & Citizenship.....46
Table 4-2 U.S. Graduates by School & Race.....47
Table 4-3 Graduates by Degree, Sex, Citizenship and Race.....48
Table 4-4 Graduates by School & Degree.....49
Table 4-5 Graduates by Area and Degree.....50
Table 4-6 Joint Degrees by Area, Sex, Citizenship & Race.....51
Table 4-7 Graduates by Area, Sex, Citizenship & Race.....52
Table 4-8 Graduates by Area, Race & Sex.....53
Table 4-9 Graduates by School & Area.....54
Table 4-10 Graduates with Prior MD Degrees by Area and Degree.....55
Table 4-11 Highest Previous Degree of Graduates by Sex & Citizenship.....56
Table 4-12 Highest Previous Degree of Graduates by School.....57
B. Graduate Trends 1974/75 - 1983/84.....58
Summary Tables and Graduates including Sex, Race, Citizenship, Highest Previous Degree, Degree Awarded, Area & School.....59
Chapter 5 - Expenditures, 1983-84.....65
Table 5-1 University Funds.....66
Table 5-2 Grants & Contracts/Total Expenditures.....67
Summary Table on Expenditures.....68

PREFACE

Schools of Public Health have been educating professionals in the techniques of health preservation and disease prevention and control since the first decades of the twentieth century. Some Schools of Public Health had their beginnings in university schools of medicine; others were conceived from the outset as autonomous units within their parent institutions. Today there are twenty-three accredited Schools of Public Health in the United States, at eight private and fifteen public universities.

Unlike other health professional schools which emphasize a specific clinical discipline (for example, medicine, nursing or dentistry), Schools of Public Health educate a wide range of professionals, from biostatisticians and epidemiologists to health administrators, community health educators, and specialists in areas such as environmental and occupational health, mental health, population studies, international health and the behavioral and social sciences.

The schools have a combined enrollment of about 9,000 students and a faculty in excess of 1,600. Graduate education in each of the 23 schools is organized around nine major specialties:

- Biostatistics
- Epidemiology
- Health Services Administration
- Public Health Practice and Program Management
- Health Education
- Environmental Sciences
- Occupational Safety and Health
- Nutrition
- Biomedical and Laboratory Sciences

Graduates of the Schools of Public Health work primarily in the fields of health promotion and disease prevention. They represent the basic resource pool from which federal, state and local health and environmental agencies draw their manpower needs. Graduates also work and teach in university settings. Industry relies heavily on the schools to train employees involved in industrial hygiene, occupational safety and health, environmental toxicology, and other areas.

The Association of Schools of Public Health (ASPH) operates a Data Center that collects and compiles aggregate data on applicants, students, graduates, faculty and expenditures in each School of Public Health. The data collected serves the schools and various federal, state and local agencies and private institutions in planning and implementing their respective public health training, research and service activities.

NOTES ON DATA

1. Data collection -- Data is collected from the schools in an aggregate form. Data forms covering the previous academic year are distributed in October of each year.

2. Time period -- Data on students and applicants is for the Fall semester. Data on graduates covers the entire academic year, and data on expenditures covers the entire fiscal year.

3. Degrees -- The following degree categories are used:

MPH - Master of Public Health
MS - Master of Science
MSPH - Master of Science in Public Health
MHA/MHSA - Master's degrees in health services administration including Master of Health Administration (MHA), Master of Health Services Administration (MHSA), and Master of Hospital Administration (MHA).
OTHER.MAST - All other master's degrees including Master of Arts (MA), Master of Occupational Health (MOH), Master of Health Science (MHS), Master of Science in Environmental Engineering (MSEE), Master of Science Hygiene (MSHyg), Master of Public Health Education (MPHE), Master of Arts in Teaching (MAT).
DrPH - Doctor of Public Health
ScD - Doctor of Science
PhD - Doctor of Philosophy
OTHER.DOC - All other doctorates including Doctor of Health Science (DHSc), Doctor of Education (EdD) and Doctor of the Environment (DEnv).
JOINT.DEG - All joint degrees, which combine a school of public health degree with an outside degree, such as the following:

MD - Doctor of Medicine
DDS/DMD - Doctor of Dental Surgery
DVM - Doctor of Veterinary Medicine
OD - Doctor of Optometry
MN/MSN - Master of Nursing
MA - Master of Arts
MBA - Master of Business Administration
MPPM - Master of Public and Private Management
MS - Master of Science
MSW - Master of Science in Social Work
MSUP - Master of Science in Urban Planning
MPA - Master of Public Administration
MIA - Master of International Affairs
JD - Doctor of Laws
PhD - Doctor of Philosophy

NONDEGREE - All students not enrolled in a formal degree program. Includes special students, postdoctoral fellows and persons enrolled in certificate or credential programs.
UNKNOWN - Degree program is unknown.
BACHELOR - Data on undergraduates was collected from 1974/75 - 1980/81. Undergraduates are included in data for those years.

4. Areas of Specialization -- The following categories are used:

BIOSTAT - Biostatistics, biometry.
EPID - Epidemiology. Where epidemiology and biostatistics programs are combined, data is recorded under epidemiology.
HSA - Health services administration, hospital administration, health policy, health planning, health management, health services organization, health law, evaluation research.
PHP&PM - Public health practice and program management, maternal and child health, gerontology, dental public health, optometric public health, public health nursing, public health social work, veterinary public health, mental health, community health sciences, community health practice.
H.EDUC/BS - Health education, public health education, health education administration, behavioral sciences, socio-medical sciences, health promotion, health behavior.
ENV.SC - Environmental science, environmental health, toxicology, radiological health, environmental chemistry, water quality, environmental health planning. Where environmental health and occupational safety and health programs are combined, data is recorded under environmental health.
OS&H - Occupational safety and health, industrial hygiene, occupational medicine, aerospace medicine.
NUTR - Nutrition, public health nutrition.
BIOMED - Biomedical and laboratory sciences, microbiology, parasitology, immunology, cancer biology, biochemistry, biophysics, pathobiology.
OTHER - All other areas of specialization including international health, population/family planning, tropical public health, urban health, disease control, genetics. Until 1982 behavioral sciences was classified under OTHER.
NONSPEC - Nonspecialized, general public health studies.
NONDEGREE - All nondegree students and applicants are classified together regardless of area of study.
UNKNOWN - Area of specialization is undecided or unknown.

The classification system for areas of specialization was developed by ASPH in 1978 and has been used since the 1979-80 academic year. It was developed to consolidate the over 200 programs in the schools into a manageable number for data collection and analysis. Although the system works reasonably well, categorization is not always precise and there is often some overlap. For example, two schools have program areas in Population and Family Health, which includes both population (OTHER) and maternal and child health (PHP&PM). There are many such cases, and the areas of specialization should be viewed as general, rather than precise, categories.

A number of schools allow dual specializations. Applicants, students and graduates with dual specializations are recorded as .5 in each area.

5. Status -- The following categories are used for students:

F-T	- An on-campus student registered for nine or more credit hours per quarter or semester.
P-T	- An on-campus student registered for less than nine credit hours per quarter or semester.
OFF-CAMPUS	- A student enrolled in an off-campus program. Includes both extended degree programs and programs offered at sites away from the school of public health.
UNKNOWN	- Status is unknown.

I. APPLICANTS

A. Fall 1983 Applicants

Any discussion of data on applicants must be preceded by the warning that ASPH collects data on applications rather than individuals. ASPH does not have a centralized application process, and there is currently no means of determining the average number of applications submitted per applicant. Nor is there a means of determining whether there have been differences in this average over time or among population groups. Therefore, applicant data should be viewed with caution.

There were 9,998 applications for Fall 1983, about the same level as the previous year. Almost 59% of the applicants were female, almost 20% were foreign and over 22% of the U.S. applicants were members of minority groups. Over half of the applicants were concentrated in three areas--health services administration (30%), epidemiology (14%) and environmental sciences (13%).

Almost 63% of the applicants were accepted, compared to 59% in Fall 1982. Acceptance rates were the same for males and females, lower for foreign applicants (55%) than for U.S. applicants (64%), and lower for members of minority groups (43-59%) than for whites (68%).

U.S. SCHOOLS OF PUBLIC HEALTH
SUMMARY CHARACTERISTICS OF APPLICANTS
Fall 1983

SEX & CITIZENSHIP					
MALES	4005	41.5%	U.S.	7339	80.1%
FEMALES	5636	58.5	FOREIGN	1827	19.9
UNKNOWN	357	-	UNKNOWN	832	-
TOTAL	9998	100.0%	TOTAL	9998	100.0%
U.S. MALES	2656	36.2%	FOR.MALES	1150	63.0%
U.S. FEMALES	4683	63.8	FOR.FEMALES	676	37.0
UNKNOWN	-	-	UNKNOWN	1	-
TOTAL	7339	100.0%	TOTAL	1827	100.0%

RACE (U.S.)	MALES	FEMALES	TOTAL	
ASIAN	132	195	327	5.1%
BLACK	191	382	573	9.0
HISPANIC	154	318	472	7.4
AMERIND	30	24	54	0.9
(TOTAL MIN.)	(507)	(919)	(1426)	(22.4)
WHITE	1823	3118	4941	77.6
UNKNOWN	326	646	972	-
TOTAL	2656	4683	7339	100.0%

AREA OF SPECIALIZATION					
BIOSTAT	444	4.6%	NUTR	391	4.1%
EPID	1386	14.4	BIOMED	319	3.3
HSA	2903	30.0	OTHER	937.5	9.7
PHP&PM	786.5	8.1	NONSPEC	309	3.2
H.EDUC/BS	834.5	8.6	NONDEGREE	244	- (2.5%)
ENV.SC	1233	12.8	UNKNOWN	92	-
OS&H	118.5	1.2	TOTAL	9998	100.0%

TABLE 1-1
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS BY SCHOOL, SEX & CITIZENSHIP
Fall 1983

SCHOOL	MALE	FEMALE	UNKNOWN	TOTAL
ALA	53.0	47.0	.0	100.0
BOSTON	64.0	172.0	.0	236.0
CAL-BERK	227.0	487.0	.0	714.0
CAL-UCLA	276.0	487.0	.0	763.0
COLUMBIA	254.0	426.0	.0	680.0
HARVARD	323.0	303.0	.0	626.0
HAWAII	110.0	153.0	.0	263.0
ILL	32.0	89.0	.0	121.0
JHU	593.0	642.0	.0	1235.0
L.LINDA	78.0	67.0	.0	145.0
MASS	79.0	155.0	.0	234.0
MICH	320.0	443.0	.0	763.0
MINN	188.0	265.0	.0	453.0
N.CAR	402.0	653.0	2.0	1057.0
OKLA	117.0	78.0	.0	195.0
PITT	234.0	261.0	.0	495.0
PR	87.0	208.0	.0	295.0
S.CAR	94.0	94.0	1.0	189.0
S.DIEGO	60.0	104.0	.0	164.0
TEXAS	156.0	183.0	.0	339.0
TULANE	9.0	5.0	354.0	368.0
WASH	165.0	157.0	.0	322.0
YALE	84.0	157.0	.0	241.0
Total	4005.0	5636.0	357.0	9998.0

SCHOOL	U.S.	FOREIGN	UNKNOWN	TOTAL
ALA	88.0	12.0	.0	100.0
BOSTON	221.0	15.0	.0	236.0
CAL-BERK	617.0	97.0	.0	714.0
CAL-UCLA	576.0	167.0	20.0	763.0
COLUMBIA	564.0	116.0	.0	680.0
HARVARD	447.0	179.0	.0	626.0
HAWAII	204.0	59.0	.0	263.0
ILL	113.0	8.0	.0	121.0
JHU	808.0	427.0	.0	1235.0
L.LINDA	89.0	56.0	.0	145.0
MASS	218.0	16.0	.0	234.0
MICH	650.0	113.0	.0	763.0
MINN	.0	.0	453.0	453.0
N.CAR	874.0	180.0	3.0	1057.0
OKLA	136.0	59.0	.0	195.0
PITT	421.0	74.0	.0	495.0
PR	280.0	15.0	.0	295.0
S.CAR	154.0	34.0	1.0	189.0
S.DIEGO	142.0	22.0	.0	164.0
TEXAS	253.0	86.0	.0	339.0
TULANE	4.0	10.0	354.0	368.0
WASH	277.0	44.0	1.0	322.0
YALE	203.0	38.0	.0	241.0
Total	7339.0	1827.0	832.0	9998.0

TABLE 1-2
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. APPLICANTS BY SCHOOL AND RACE
Fall 1983

SCHOOL	ASIAN	BLACK	HISPANIC	AMERIND	TOTALMIN.
ALA	1.0	22.0	2.0	.0	25.0
BOSTON	1.0	5.0	4.0	.0	10.0
CAL-BERK	58.0	42.0	31.0	14.0	145.0
CAL-UCLA	40.0	40.0	42.0	3.0	125.0
COLUMBIA	.0	.0	.0	.0	.0
HARVARD	29.0	39.0	18.0	2.0	88.0
HAWAII	53.0	4.0	2.0	2.0	61.0
ILL	1.0	4.0	2.0	.0	7.0
JHU	38.0	83.0	24.0	4.0	149.0
L.LINDA	9.0	12.0	5.0	.0	26.0
MASS	3.0	13.0	4.0	.0	20.0
MICH	27.0	64.0	8.0	1.0	100.0
MINN	.0	.0	.0	.0	.0
N.CAR	18.0	114.0	8.0	9.0	149.0
OKLA	.0	26.0	.0	11.0	37.0
PITT	7.0	17.0	.0	.0	24.0
PR	.0	.0	280.0	.0	280.0
S.CAR	.0	15.0	3.0	.0	18.0
S.DIEGO	13.0	10.0	8.0	3.0	34.0
TEXAS	8.0	36.0	19.0	.0	63.0
TULANE	.0	.0	.0	.0	.0
WASH	12.0	9.0	9.0	3.0	33.0
YALE	9.0	18.0	3.0	2.0	32.0
Total	327.0	573.0	472.0	54.0	1426.0

SCHOOL	WHITE	UNKNOWN	TOTAL
ALA	61.0	2.0	88.0
BOSTON	126.0	85.0	221.0
CAL-BERK	472.0	.0	617.0
CAL-UCLA	320.0	131.0	576.0
COLUMBIA	.0	564.0	564.0
HARVARD	249.0	110.0	447.0
HAWAII	132.0	11.0	204.0
ILL	106.0	.0	113.0
JHU	659.0	.0	808.0
L.LINDA	63.0	.0	89.0
MASS	198.0	.0	218.0
MICH	522.0	28.0	650.0
MINN	.0	.0	.0
N.CAR	720.0	5.0	874.0
OKLA	99.0	.0	136.0
PITT	397.0	.0	421.0
PR	.0	.0	280.0
S.CAR	134.0	2.0	154.0
S.DIEGO	77.0	31.0	142.0
TEXAS	190.0	.0	253.0
TULANE	4.0	.0	4.0
WASH	241.0	3.0	277.0
YALE	171.0	.0	203.0
Total	4941.0	972.0	7339.0

TABLE 1-3
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS BY AREA, SEX & CITIZENSHIP
Fall 1983

AREA	MALE	FEMALE	UNKNOWN	TOTAL
BIOSTAT	201.0	237.0	6.0	444.0
EPID	649.5	699.5	37.0	1386.0
HSA	1119.0	1710.0	74.0	2903.0
PHP&PM	210.5	550.0	26.0	786.5
H.EDUC/BS	199.0	619.5	16.0	834.5
ENV.SC	733.5	469.5	30.0	1233.0
OS&H	73.0	45.5	.0	118.5
NUTR	59.0	307.0	25.0	391.0
BIOMED	152.0	139.0	28.0	319.0
OTHER	333.5	505.0	99.0	937.5
NONSPEC	162.0	147.0	.0	309.0
NONDEGREE	94.0	150.0	.0	244.0
UNKNOWN	19.0	57.0	16.0	92.0
Total	4005.0	5636.0	357.0	9998.0

AREA	U.S.	FOREIGN	UNKNOWN	TOTAL
BIOSTAT	289.0	127.0	28.0	444.0
EPID	1004.5	301.5	80.0	1386.0
HSA	2319.5	368.5	215.0	2903.0
PHP&PM	468.5	162.0	156.0	786.5
H.EDUC/BS	691.0	79.5	64.0	834.5
ENV.SC	885.0	249.0	99.0	1233.0
OS&H	99.5	19.0	.0	118.5
NUTR	291.5	52.5	47.0	391.0
BIOMED	207.0	84.0	28.0	319.0
OTHER	563.5	275.0	99.0	937.5
NONSPEC	231.0	78.0	.0	309.0
NONDEGREE	227.0	17.0	.0	244.0
UNKNOWN	62.0	14.0	16.0	92.0
Total	7339.0	1827.0	832.0	9998.0

AREA	U.S. MALES	U.S.FEMALES	FOR.MALES	FOR.FEMALES
BIOSTAT	120.0	169.0	71.0	56.0
EPID	419.5	585.0	218.0	83.5
HSA	806.0	1513.5	237.0	131.5
PHP&PM	89.5	379.0	84.0	78.0
H.EDUC/BS	156.0	535.0	35.0	43.5
ENV.SC	502.5	382.5	177.0	72.0
OS&H	58.0	41.5	15.0	4.0
NUTR	44.0	247.5	13.0	39.5
BIOMED	101.0	106.0	51.0	33.0
OTHER	155.5	408.0	178.0	97.0
NONSPEC	110.0	121.0	52.0	26.0
NONDEGREE	80.0	147.0	14.0	3.0
UNKNOWN	14.0	48.0	5.0	9.0
Total	2656.0	4683.0	1150.0	676.0

TABLE 1-4
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. APPLICANTS BY AREA AND RACE
Fall 1983

AREA	ASIAN	BLACK	HISPANIC	AMERIND	TOTALMIN.
BIOSTAT	12.0	12.0	8.0	2.0	34.0
EPID	53.0	73.0	54.0	4.0	184.0
HSA	80.0	225.5	109.0	31.0	445.5
PHP&PM	16.5	57.0	39.0	4.0	116.5
H.EDUC/BS	26.5	57.5	80.0	5.0	169.0
ENV.SC	44.0	28.0	51.0	3.0	126.0
OS&H	6.0	7.5	.0	.0	13.5
NUTR	16.0	30.5	31.0	2.0	79.5
BIOMED	21.0	23.0	5.0	2.0	51.0
OTHER	30.0	34.0	34.0	.0	98.0
NONSPEC	9.0	17.0	36.0	1.0	63.0
NONDEGREE	13.0	6.0	24.0	.0	43.0
UNKNOWN	.0	2.0	1.0	.0	3.0
Total	327.0	573.0	472.0	54.0	1426.0

AREA	WHITE	UNKNOWN	TOTAL
BIOSTAT	219.0	36.0	289.0
EPID	707.0	113.5	1004.5
HSA	1551.0	323.0	2319.5
PHP&PM	342.0	10.0	468.5
H.EDUC/BS	455.5	66.5	691.0
ENV.SC	684.0	75.0	885.0
OS&H	83.0	3.0	99.5
NUTR	193.0	19.0	291.5
BIOMED	154.0	2.0	207.0
OTHER	363.5	102.0	563.5
NONSPEC	98.0	70.0	231.0
NONDEGREE	64.0	120.0	227.0
UNKNOWN	27.0	32.0	62.0
Total	4941.0	972.0	7339.0

TABLE 1-5
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS BY SCHOOL AND AREA
Fall 1983

	BIOSTAT		EPID.		HSA		PHP&PH		H.EDUC/ BS		ENV.SC		OS&H	
ALA	2	2.7%	29	39.2%	14	18.9%	5	6.8%	5	6.8%	9	12.1%	5	6.8%
BOSTON			37	24.5	75.5	50.0			13.5	8.9	25	16.6		
CA/BERK	28	3.9	86	12.0	161	22.6	123	17.2	100	14.0	77	10.8		
CA/UCLA	43	5.6	123	16.1	202	26.5			105	13.8	52	6.8		
COLUMBIA	28	4.6	83	13.7	257	42.4			19	3.1	56	9.2		
HARVARD	40	6.4	65	10.4	160	25.6	47	7.5	22	3.5	91	14.6		
HAWAII	8	3.3	28	11.4	47	19.1	16	6.5	55	22.4	21	8.5		
ILL	12	9.9	11	9.1	33	27.3	40	33.0			25	20.7		
JHU	34	2.8	223	18.1	275	22.3	108	8.7	32	2.6	183	14.8		
L.LINDA	5	3.4	11	7.6	36	24.8	9	6.2	32	22.1	11	7.6		
MASS	11	4.7	55	23.5	88	37.6			49	20.9	29	12.4		
MICH	14	1.9	125	17.1	338.5	46.4	24.5	3.4	67	9.2	50	6.8	52.5	7.2
MINN	22	4.8	42	9.3	120	26.5	130	28.7	48	10.6	69	15.2		
N.CAR	77	7.3	112	10.6	252	23.8	121	11.5	109	10.3	198	18.7		
OKLA	10	5.1	22	11.3	93	47.7			28	14.4	42	21.5		
PITT	19	4.2	77	16.9	155	33.9	34	7.4			66	14.4	29	6.4
PR	5	1.9	34	12.6	61	22.7	28	10.4	47	17.5	33	12.3		
S.CAR	8	4.2	33	17.5	61	32.3	1	0.5	42	22.2	44	23.3		
S.DIEGO			29	17.7	34	20.7	39	23.8	41	25.0	11	6.7	10	6.1
TEXAS	14	4.2	21	6.3	58	17.4	35	10.5	6	1.8	30	9.0	22	6.6
TULANE	6	1.8	37	11.0	73	21.6	26	7.7	14	4.1	30	8.9		
WASH	48	15.0	48	15.0	165	51.6					49	15.3		
YALE	10	4.1	55	22.8	144	59.8					32	13.3		
TOTAL	444	4.6	1386	14.4	2903	30.0	786.5	8.1	834.5	8.6	1233	12.8	118.5	1.2

	NUTR		BIOMED		OTHER		NONSPEC		NON DEGREE	UNKNOWN	TOTAL
ALA					2	2.7	3	4.1	24	2	100
BOSTON									85		236
CA/BERK	37	5.2	44	6.2			58	8.1			714
CA/UCLA	81	10.6			157	20.6					763
COLUMBIA					93	15.3	70	11.6	33	41	680
HARVARD	27	4.3	19	3.0	54	8.6	101	16.1			626
HAWAII	18	7.3			53	21.5			17		263
ILL											121
JHU			124	10.0	256	20.7					1235
L.LINDA	14	9.7			12	8.3	15	10.3			145
MASS	2	0.9									234
MICH	28	3.8			30.5	4.2				33	763
MINN	22	4.9									453
N.CAR	116	11.0	72	6.8							1057
OKLA											195
PITT			22	4.8	55	12.0			38		495
PR	21	7.8			11	4.1	29	10.8	26		295
S.CAR											189
S.DIEGO											164
TEXAS					115	34.4	33	9.9	5		339
TULANE	25	7.4	28	8.3	99	29.3			14	16	368
WASH			10	3.1					2		322
YALE											241
TOTAL	391	4.1	319	3.3	937.5	9.7	309	3.2	244	92	9998

TABLE 1-6
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS/ACCEPTANCES/ENROLLMENTS BY SCHOOL
Fall 1983

	APPLICATIONS			NEW ENROLLMENTS		
	No. Made	No. Accepted	% Accepted	No.	As % of Acceptances	As % of Applications
ALA	100	78	78.0%	57	73.1%	57.0%
BOSTON	236	216	91.5	129	59.7	54.7
CAL-BERK	714	376	52.7	239	63.6	33.5
CAL-UCLA	763	393	51.5	207	52.7	27.1
COLUMBIA	680	520	76.5	246	47.3	36.2
HARVARD	626	334	53.4	205	61.4	32.8
HAWAII	263	183	69.6	125	68.3	47.5
ILL	121	74	61.2	53	71.6	43.8
JHU	1235	776	62.8	381	49.1	30.9
L.LINDA	145	94	64.8	53	56.4	36.6
MASS.	234	151	64.5	44	29.1	18.8
MICH	763	463	60.7	245	52.9	32.1
MINN	453	234	51.7	176	75.2	38.9
N.CAR	1057	500	47.3	236	47.2	22.3
OKLA	195	147	75.4	90	61.2	46.2
PITT	495	383	77.4	185	48.3	37.4
PR	295	143	48.5	112	78.3	38.0
S.CAR	189	130	68.8	70	53.9	37.0
S.DIEGO	164	110	67.1	75	68.2	45.7
TEXAS	339	245	72.3	133	54.3	39.2
TULANE	368	309	84.0	158	51.1	42.9
WASH	322	204	63.4	121	59.3	37.6
YALE	241	200	83.0	104	52.0	43.2
TOTAL	9,998	6,263	62.6%	3,444	55.0%	34.4%

TABLE 1-7
U.S. SCHOOLS OF PUBLIC HEALTH
APPLICANTS/ACCEPTANCES/ENROLLMENTS BY SEX, CITIZENSHIP, RACE & AREA
Fall 1983

	No. of Schools	APPLICATIONS			NEW ENROLLMENTS		
		No. Made	No. Accepted	% Accepted	No.	As % of Acceptances	As % of Applications
MALES	22	3996	2466	61.7%	1318	53.5%	33.0%
FEMALES		5631	3487	61.9	1968	56.4	35.0
U.S. CITIZENS	21	7335	4721	64.4	2676	56.7	36.5
FOREIGN		1817	997	54.9	434	43.5	23.9
RACE (U.S.)	20						
ASIAN		327	193	59.0	130	67.4	39.8
BLACK		573	247	43.1	137	55.5	23.9
HISPANIC		472	226	47.9	160	70.8	33.9
(excluding PR)	(19)	(192)	(94)	(49.0)	(53)	(56.4)	(27.6)
AMERIND		54	29	53.7	21	72.4	38.9
TOTAL MINORITY		1426	695	48.7	448	64.5	31.4
WHITE		4937	3330	67.5	1905	57.2	38.6
AREA	23						
BIOSTAT		444	304	68.5	146	48.0	32.9
EPID		1386	870	62.8	433	49.8	31.2
HSA		2903	1652.5	56.9	926	56.0	31.9
PHP&PM		786.5	436	55.4	272	62.4	34.6
H.EDUC/BS		834.5	519.5	62.3	305	58.7	36.6
ENV.SC		1233	814	66.0	420.5	51.7	34.1
OS&H		118.5	88	74.3	54.5	61.9	46.0
NUTR		391	248.5	63.6	122.5	49.3	31.3
BIOMED		319	186	58.3	90	48.4	28.2
OTHER		937.5	609.5	65.0	328.5	53.9	35.0
NONSPEC		309	219	70.9	118	53.9	38.2
NONDEGREE		244	238	97.5	190	79.8	77.9
TOTAL		9998	6263	62.6	3444	55.0	34.5

B. Applicant Trends 1974-75 through 1983-84

In 1959, the earliest year for which data is available, there were 1,280 applications reported by 10 of the 13 schools of public health (including two Canadian schools). By Fall of 1974, when ASPH started to collect data on the schools, there were almost 10,000 applications reported for 19 [U.S.] schools. Applications peaked at 13,000 in Fall of 1978 and then began to decline rather rapidly. From 1978 to 1983 total applications declined by over 23%. Applications for 23 schools in Fall 1983 (9,998) were at the same level as applications for 19 schools (9,916) ten years ago. ASPH collected preliminary totals for Fall 1984 applications in a special survey. The schools reported a further drop in total applications to about 9,116, making a total decline of about 30% since 1978. As noted previously, ASPH data deals with applications, rather than individuals, and it is not known whether there has been a decrease in the average number of applications since 1978, which would affect the data. However, it is reasonably certain that the decline largely reflects a drop in the number of individuals applying to schools of public health.

There have been some significant demographic changes in applicants over the past ten years. The proportion of female applicants has increased from 43% in 1974 to 59% in 1983. Among U.S. applicants, the proportion of females is even higher. The proportion of foreign applicants has increased from 12% in 1974 to 20% in 1983. Although the number of foreign applicants has increased over the years, much of the percentage change is due to the decline in the number of U.S. applicants.

Data on race of U.S. applicants has only been collected since 1980. In that year about 22% of the U.S. applicants were minorities; that percentage was the same in 1983. However, the actual number of minority applicants has decreased along with the number of white applicants, from 1,896 in 1980 to 1,426 in 1983.

There appear to have been some slight shifts in areas of specialization of applicants over the years, although overall the areas have tended to remain stable. There have been slight increases in the proportion of applicants in epidemiology and health education/behavioral sciences, and decreases in health administration and, possibly, nutrition. Areas tend to fluctuate up and down and there are always some classification problems, so it is difficult to make confident statements about changes unless the changes are dramatic. This has not been the case with any of the ASPH databases on areas, and the most significant fact regarding areas is that they have remained remarkably stable over the past ten years.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF APPLICANTS
(Fall Semester)

Applicants by Citizenship and Total Applicants

YEAR	U.S.		FOREIGN		UNKNOWN	TOTAL
1959						1280
1960						1594
1961						2274
1962						2376
1963						2884
1964						3591
1965						4026
1966						4109
1967						4709
1968						5215
1969						5999
1974	8744	88.3%	1162	11.7%	10	9916
1975	8703	88.1	1170	11.9	907	10780
1976	10018	87.5	1436	12.5	838	12292
1977	10891	88.6	1395	11.4	40	12326
1978[1]	10577	86.8	1606	13.2	817	13000
1980[2]	10070	84.6	1828	15.4	0	11898
1981[2]	9327	84.3	1743	15.7	8	11078
1982[3]	7942	82.2	1714	17.8	365	10021
1983	7339	80.1	1827	19.9	832	9998

Applicants by Sex

YEAR	MALES		FEMALES		UNKNOWN	TOTAL
1974	5417	56.6%	4155	43.4%	344	9916
1975	5394	54.7	4469	45.3	917	10780
1976	5893	51.6	5522	48.4	877	12292
1977	5929	51.3	5625	48.7	772	12326
1978	5880	48.3	6288	51.7	832	13000
1980	5330	44.9	6547	55.1	21	11898
1981	4683	42.3	6383	57.7	12	11078
1982	4221	42.7	5658	57.3	142	10021
1983	4005	41.5	5636	58.5	357	9998

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[1] Puerto Rico did no report in 1978.

2 Minnesota did not report in 1980 and 1981.

[3] San Diego did not report in 1982.

No applicant data was collected in 1979. Data for 1959-1969 from Dr. James Troupin and includes two Canadian schools.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF APPLICANTS (Continued)

U.S. Applicants by Race

YEAR	ASIAN		BLACK		HISPANIC		AMERIND		WHITE		UNKNOWN	TOTAL
1980	436	5.2%	824	9.8%	523	6.3%	113	1.3%	6500	77.4%	1674	10070
1981	481	5.9	760	9.3	534	6.5	88	1.1	6334	77.2	1130	9327
1982	350	5.6	624	9.9	471	7.5	60	1.0	4774	76.0	1663	7942
1983	327	5.1	573	9.0	472	7.4	54	0.9	4941	77.6	972	7339

Applicants by Area of Specialization

YEAR	BIOSTAT		EPID		HSA		PHP&PM		H.EDUC/BS		ENV.SC		OS&H	
1974	449	4.7%	768	8.1%	3168	33.4%	885	9.3%	721	7.6%	1065	11.2%	63	0.7%
1975	425	4.2	951	9.3	3502	34.4	838	8.2	745	7.3	1039	10.2	155	1.5
1976	507	4.2	1472	12.1	4584	37.6	809	6.6	770	6.3	1214	10.0	138	1.1
1977	490	4.0	1563	12.9	4279	35.2	1023	8.4	678	5.6	1524	12.6	226	1.9
1978	464	4.0	1422	12.3	4337	37.8	839	7.3	743	6.5	1488	13.0	225	2.0
1980	392	3.3	1372	11.7	3558	30.4	1023	8.7	944	8.1	1385	11.8	328	2.8
1981	366	3.3	1302	11.7	2959.5	26.7	1005	9.1	906.5	8.2	1307	11.8	327	3.0
1983	444	4.6	1386	14.4	2903	30.0	786.5	8.1	834.5	8.6	1233	12.8	118.5	1.2

YEAR	NUTR		BIOMED		OTHER		NONSPEC		NON DEGREE	UNKNOWN	TOTAL
1974	458	~~0.7%~~ 4.8%	N/A		1503	15.8%	418	4.4%	N/A	418	9916
1975	503	4.9	282	2.7	884	8.7	864	8.5	N/A	592	10780
1976	581	4.7	366	3.0	1750	14.4	N/A		N/A	101	12292
1977	545	4.5	351	2.9	1171	9.6	291	2.4	N/A	185	12326
1978	621	5.4	251	2.2	1096	9.5	N/A		N/A	1514	13000
1980	678	5.8	356	3.0	1686	14.4	N/A		N/A	176	11898
1981	436.5	3.9	443	4.0	2025.5	18.3	N/A		N/A	0	11078
1983	391	4.1	319	3.3	937.5	9.7	309	3.2	244	92	9998

No data on areas was collected in 1979 or 1982.
Beginning in 1981 applicants with dual specializations are counted as .5 in each area.

TOTAL APPLICATIONS
U.S. SCHOOLS OF PUBLIC HEALTH
(Fall Semester)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
ALA	*	*	*	*	46		116	98	60	100
BOSTON	*	*	*	*	*		*	149	202	236
CAL-BERK	842	1022	1125	897	1084		874	835	652	714
CAL-UCLA	1238	1217	1097	795	930		1050	847	791	763
COLUMBIA	473	623	799	790	867		774	611	654	680
HARVARD	549	812	869	791	947		972	866	740	626
HAWAII	276	313	385	388	343		377	386	319	263
ILL	203	255	365	287	371		352	376	143	121
JHU	758	938	1129	1176	1292		1272	1326	1249	1235
L.LINDA	194	198	265	260	245		212	376	174	145
MASS	190	195	236	235	310		259	262	265	234
MICH	1057	1273	1159	1112	1113		1153	1056	761	763
MINN	716	679	753	947	800		**	**	645	453
N.CAR	1001	1026	1268	1506	1464		1449	1347	1083	1057
OKLA	120	146	205	266	256		205	116	112	195
PITT	615	603	748	611	782		557	636	492	495
PR	492	221	96	178	**		160	300	312	295
S.CAR	*	*	*	67	111		165	162	102	189
S.DIEGO	*	*	*	*	*		*	*	**	164
TEXAS	441	386	473	765	618		576	445	368	339
TULANE	179	134	453	455	546		572	143	356	368
WASH	261	338	383	412	450		446	376	250	322
YALE	311	401	484	388	425		357	365	291	241
TOTAL	9,916	10,780	12,292	12,326	13,000		11,898	11,078	10,021	9,998
***	8,708	9,880	11,443	11,134	12,043		11,457	10,369	8,700	8,561
		+13%	+16%	-3%	+8%		-5%	-10%	-16%	-2%

DATA NOT AVAILABLE

* Indicates school not yet in operation.
** Indicates missing data.
*** Trends for 17 schools with complete data for all years.

U.S. SCHOOLS OF PUBLIC HEALTH
TRENDS IN APPLICATIONS/ACCEPTANCES/ENROLLMENTS*

YEAR	NO. OF SCHOOLS	NUMBER OF APPLICATIONS	NUMBER ACCEPTED	PERCENT ACCEPTED	NEW ENROLLMENTS	AS % OF ACCEPTANCES	AS % OF APPLICATIONS
1961-62	14	2,274	1,465	64.4	-	-	-
1965-66	15	4,026	2,543	63.2	1,797	70.7	44.6
1967-68	17	4,709	2,682	57.0	1,947	72.6	41.3
1969-70	18	5,999	3,321	55.4	2,317	69.8	38.6
1974-75	17	8,708	-	-	2,715	-	31.2
1976-77	17	11,443	-	-	3,051	-	26.7
1978-79	17	12,043	-	-	3,391	-	28.2
1981-82	17	10,369	5,217	50.3	-	-	-
1982-83	17	8,700	5,243	60.3	2,852	54.4	32.8
1983-84	17	8,561	5,352	62.5	2,825	52.8	33.0

* ASPH data (1974-1983) for 17 schools with data for years included. 1960s data from Dr. James Troupin includes two Canadian schools.

II. NEW ENROLLMENTS, FALL 1983

There were 3,444 new enrollments in the 23 schools for Fall 1983. This is about the same level as Fall 1982 (3,338), allowing for the fact that one school did not report new enrollments in 1982. New enrollments represented about 39% of the total enrollment in the schools.

The proportion of new female students continued to be high (59%), and foreign students represented over 15% of new enrollments. These levels are the same as Fall 1982, but considerably higher than earlier years.

The number and proportion of new minority students was lower in 1983 (454 or 18.6%) than in 1982 (498 or 20.4%). Fall 1983 (vs. Fall 1982) new minority enrollments were as follows: 130 or 5.3% Asian (131, 5.4%); 139 or 5.7% Black (164, 6.7%); 164 or 6.7% Hispanic (179, 7.3%); 21 or 0.9% Amerind (24, 1.0%).

The area of specialization for new enrollments in Fall 1983 was approximately the same as that for total students.

U.S. SCHOOLS OF PUBLIC HEALTH
SUMMARY CHARACTERISTICS OF NEW ENROLLMENTS
Fall 1983

SEX & CITIZENSHIP					
MALES	1403	40.7%	U.S.	2765	84.6%
FEMALES	2041	59.3	FOREIGN	503	15.4
UNKNOWN	-	-	UNKNOWN	176	-
TOTAL	3444	100.0%	TOTAL	3444	100.0%
U.S. MALES	1020	36.9%	FOR.MALES	323	64.2%
U.S. FEMALES	1745	63.1	FOR.FEMALES	180	35.8
UNKNOWN	-	-	UNKNOWN	-	-
TOTAL	2765	100.0%	TOTAL	503	100.0%

RACE (U.S.)	MALES	FEMALES	TOTAL	
ASIAN	55	75	130	5.3%
BLACK	49	90	139	5.7
HISPANIC	53	111	164	6.7
AMERIND	7	14	21	0.9
(TOTAL MIN.)	(164)	(290)	(454)	(18.6)
WHITE	756	1232	1988	81.4
UNKNOWN	100	223	323	-
TOTAL	1020	1745	2765	100.0%

AREA OF SPECIALIZATION					
BIOSTAT	146	4.5%	NUTR	122.5	3.8%
EPID	433	13.5	BIOMED	90	2.8
HSA	926	28.8	OTHER	328.5	10.2
PHP&PM	272	8.4	NONSPEC	118	3.7
H.EDUC/BS	305	9.5	NONDEGREE	190	- (5.6%)
ENV.SC	420.5	13.1	UNKNOWN	38	-
OS&H	54.5	1.7	TOTAL	3444	100.0%

TABLE 2-1
U.S. SCHOOLS OF PUBLIC HEALTH
NEW ENROLLMENTS BY SCHOOL, SEX & CITIZENSHIP
Fall 1983

SCHOOL	MALE	FEMALE	UNKNOWN	TOTAL
ALA	30.0	27.0	.0	57.0
BOSTON	39.0	90.0	.0	129.0
CAL-BERK	63.0	176.0	.0	239.0
CAL-UCLA	76.0	131.0	.0	207.0
COLUMBIA	80.0	166.0	.0	246.0
HARVARD	104.0	101.0	.0	205.0
HAWAII	56.0	69.0	.0	125.0
ILL	14.0	39.0	.0	53.0
JHU	173.0	208.0	.0	381.0
L.LINDA	23.0	30.0	.0	53.0
MASS	19.0	25.0	.0	44.0
MICH	110.0	135.0	.0	245.0
MINN	60.0	116.0	.0	176.0
N.CAR	88.0	148.0	.0	236.0
OKLA	50.0	40.0	.0	90.0
PITT	90.0	95.0	.0	185.0
PR	33.0	79.0	.0	112.0
S.CAR	31.0	39.0	.0	70.0
S.DIEGO	26.0	49.0	.0	75.0
TEXAS	58.0	75.0	.0	133.0
TULANE	85.0	73.0	.0	158.0
WASH	57.0	64.0	.0	121.0
YALE	38.0	66.0	.0	104.0
Total	1403.0	2041.0	.0	3444.0

SCHOOL	U.S.	FOREIGN	UNKNOWN	TOTAL
ALA	53.0	4.0	.0	57.0
BOSTON	123.0	6.0	.0	129.0
CAL-BERK	219.0	20.0	.0	239.0
CAL-UCLA	172.0	35.0	.0	207.0
COLUMBIA	233.0	13.0	.0	246.0
HARVARD	143.0	62.0	.0	205.0
HAWAII	94.0	31.0	.0	125.0
ILL	49.0	4.0	.0	53.0
JHU	270.0	111.0	.0	381.0
L.LINDA	42.0	11.0	.0	53.0
MASS	44.0	.0	.0	44.0
MICH	213.0	32.0	.0	245.0
MINN	.0	.0	176.0	176.0
N.CAR	215.0	21.0	.0	236.0
OKLA	75.0	15.0	.0	90.0
PITT	163.0	22.0	.0	185.0
PR	107.0	5.0	.0	112.0
S.CAR	65.0	5.0	.0	70.0
S.DIEGO	75.0	.0	.0	75.0
TEXAS	114.0	19.0	.0	133.0
TULANE	89.0	69.0	.0	158.0
WASH	111.0	10.0	.0	121.0
YALE	96.0	8.0	.0	104.0
Total	2765.0	503.0	176.0	3444.0

TABLE 2-2
U.S. NEW ENROLLMENTS BY SCHOOL AND AREA
U.S. SCHOOLS OF PUBLIC HEALTH
Fall 1983

SCHOOL	ASIAN	BLACK	HISPANIC	AMERIND	TOTALMIN.
ALA	.0	7.0	1.0	.0	8.0
BOSTON	1.0	1.0	1.0	.0	3.0
CAL-BERK	15.0	12.0	8.0	2.0	37.0
CAL-UCLA	12.0	4.0	12.0	.0	28.0
COLUMBIA	.0	.0	.0	.0	.0
HARVARD	7.0	10.0	3.0	.0	20.0
HAWAII	34.0	.0	.0	2.0	36.0
ILL	1.0	2.0	1.0	.0	4.0
JHU	13.0	16.0	6.0	3.0	38.0
L.LINDA	6.0	4.0	2.0	.0	12.0
MASS	2.0	2.0	1.0	.0	5.0
MICH	10.0	15.0	1.0	.0	26.0
MINN	.0	.0	.0	.0	.0
N.CAR	1.0	20.0	1.0	3.0	25.0
OKLA	.0	16.0	.0	7.0	23.0
PITT	5.0	5.0	.0	.0	10.0
PR	.0	.0	107.0	.0	107.0
S.CAR	.0	1.0	.0	.0	1.0
S.DIEGO	6.0	2.0	3.0	3.0	14.0
TEXAS	6.0	10.0	8.0	.0	24.0
TULANE	.0	2.0	4.0	.0	6.0
WASH	4.0	2.0	3.0	1.0	10.0
YALE	7.0	8.0	2.0	.0	17.0
Total	130.0	139.0	164.0	21.0	454.0

SCHOOL	WHITE	UNKNOWN	TOTAL
ALA	44.0	1.0	53.0
BOSTON	61.0	59.0	123.0
CAL-BERK	182.0	.0	219.0
CAL-UCLA	128.0	16.0	172.0
COLUMBIA	.0	233.0	233.0
HARVARD	123.0	.0	143.0
HAWAII	53.0	5.0	94.0
ILL	45.0	.0	49.0
JHU	232.0	.0	270.0
L.LINDA	30.0	.0	42.0
MASS	39.0	.0	44.0
MICH	179.0	8.0	213.0
MINN	.0	.0	.0
N.CAR	189.0	1.0	215.0
OKLA	52.0	.0	75.0
PITT	153.0	.0	163.0
PR	.0	.0	107.0
S.CAR	64.0	.0	65.0
S.DIEGO	61.0	.0	75.0
TEXAS	90.0	.0	114.0
TULANE	83.0	.0	89.0
WASH	101.0	.0	111.0
YALE	79.0	.0	96.0
Total	1988.0	323.0	2765.0

TABLE 2-3
U.S. SCHOOLS OF PUBLIC HEALTH
NEW ENROLLMENTS BY AREA, SEX & CITIZENSHIP
Fall 1983

AREA	MALE	FEMALE	UNKNOWN	TOTAL
BIOSTAT	61.0	85.0	.0	146.0
EPID	205.5	227.5	.0	433.0
HSA	350.0	576.0	.0	926.0
PHP&PM	73.5	198.5	.0	272.0
H.EDUC/BS	82.5	222.5	.0	305.0
ENV.SC	254.0	166.5	.0	420.5
OS&H	41.0	13.5	.0	54.5
NUTR	18.0	104.5	.0	122.5
BIOMED	40.0	50.0	.0	90.0
OTHER	125.5	203.0	.0	328.5
NONSPEC	65.0	53.0	.0	118.0
NONDEGREE	77.0	113.0	.0	190.0
UNKNOWN	10.0	28.0	.0	38.0
Total	1403.0	2041.0	.0	3444.0

AREA	U.S.	FOREIGN	UNKNOWN	TOTAL
BIOSTAT	103.0	32.0	11.0	146.0
EPID	334.0	81.0	18.0	433.0
HSA	797.0	81.0	48.0	926.0
PHP&PM	183.0	39.0	50.0	272.0
H.EDUC/BS	257.0	24.0	24.0	305.0
ENV.SC	356.5	41.0	23.0	420.5
OS&H	49.5	5.0	.0	54.5
NUTR	105.5	15.0	2.0	122.5
BIOMED	62.0	28.0	.0	90.0
OTHER	219.5	109.0	.0	328.5
NONSPEC	91.0	27.0	.0	118.0
NONDEGREE	174.0	16.0	.0	190.0
UNKNOWN	33.0	5.0	.0	38.0
Total	2765.0	503.0	176.0	3444.0

AREA	U.S. MALES	U.S.FEMALES	FOR.MALES	FOR.FEMALES
BIOSTAT	39.0	64.0	18.0	14.0
EPID	142.5	191.5	60.0	21.0
HSA	271.0	526.0	59.0	22.0
PHP&PM	42.5	140.5	19.0	20.0
H.EDUC/BS	66.5	190.5	9.0	15.0
ENV.SC	206.0	150.5	34.0	7.0
OS&H	37.0	12.5	4.0	1.0
NUTR	15.0	90.5	3.0	12.0
BIOMED	24.0	38.0	16.0	12.0
OTHER	54.5	165.0	71.0	38.0
NONSPEC	51.0	40.0	14.0	13.0
NONDEGREE	64.0	110.0	13.0	3.0
UNKNOWN	7.0	26.0	3.0	2.0
Total	1020.0	1745.0	323.0	180.0

TABLE 2-4
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. NEW ENROLLMENTS BY AREA AND RACE
Fall 1983

AREA	ASIAN	BLACK	HISPANIC	AMERIND	TOTAL MIN.
BIOSTAT	6.0	3.0	2.0	.0	11.0
EPID	21.0	18.0	16.0	1.0	56.0
HSA	26.0	53.0	29.0	13.0	121.0
PHP&PM	6.0	16.0	10.0	2.0	34.0
H.EDUC/BS	8.0	11.0	23.0	2.0	44.0
ENV.SC	20.0	7.0	22.0	2.0	51.0
OS&H	3.0	3.0	.0	.0	6.0
NUTR	7.0	8.0	12.0	.0	27.0
BIOMED	9.0	1.0	1.0	.0	11.0
OTHER	9.0	6.0	18.0	.0	33.0
NONSPEC	2.0	6.0	11.0	1.0	20.0
NONDEGREE	13.0	6.0	20.0	.0	39.0
UNKNOWN	.0	1.0	.0	.0	1.0
Total	130.0	139.0	164.0	21.0	454.0

AREA	WHITE	UNKNOWN	TOTAL
BIOSTAT	79.0	13.0	103.0
EPID	250.0	28.0	334.0
HSA	584.0	92.0	797.0
PHP&PM	147.0	2.0	183.0
H.EDUC/BS	202.0	11.0	257.0
ENV.SC	286.5	19.0	356.5
OS&H	43.5	.0	49.5
NUTR	75.5	3.0	105.5
BIOMED	51.0	.0	62.0
OTHER	145.5	41.0	219.5
NONSPEC	54.0	17.0	91.0
NONDEGREE	54.0	81.0	174.0
UNKNOWN	16.0	16.0	33.0
Total	1988.0	323.0	2765.0

III. STUDENTS

A. Fall 1983 Students

There were 8,937 students enrolled in the 23 schools in Fall 1983. Of this total, 58% were female, 14% were foreign, and 16% of the U.S. students were members of minority groups. Tables 3-1 and 3-2 show demographic breakdowns of students by school. There were some significant differences among schools regarding the demographic characteristics of their student bodies. For example, at Tulane and Loma Linda one-third of the students were foreign, while Massachusetts, Puerto Rico and Alabama had few or no foreign students. There were also some significant differences in the proportion of male/female and minority students by school.

ASPH no longer collects data on age of students. In 1982 the median age of students was 29-1/2 and had been rising by about 6 months every year since 1976. Therefore, it is reasonable to assume that in 1983 the median age for students was about 30 years of age.

Almost half (47%) of the students were enrolled in MPH programs and 71% were in all master's degree programs. Twenty-one percent were in doctoral degree programs and almost 8% were non-degree students. Table 3-3 shows differences in degree programs based on demographic characteristics. A slightly higher proportion of males (24%) pursue doctorates than females (19%), and a slightly higher proportion of Whites (22%) pursue doctorates than Asians (20%), Blacks (16%), Hispanics (18% - see Table 3-7) or American Indians (15%).

Data on joint degrees (Table 3-4), other than the MD-MPH, has only recently been collected by ASPH. About one-third of the joint degrees were joint MD degrees, and almost one-quarter were joint MBA degrees. Over half of the joint degrees were sought by students in health services administration.

Over one-half of the students were enrolled in three program areas. Health services administration is the largest program area in schools of public health and had 27% of the students; environmental sciences had 15% of the students and epidemiology had 14%.

There were some differences in program area based on demographic characteristics (Tables 3-5, 3-6, 3-7). Women were represented more in public health practice and in health education than men and less in environmental sciences, occupational health and biomedical sciences. Foreign students were represented more in other areas, principally international health and population, and less in health services administration than U.S. students. Asian students had more

representation in biostatistics (11%) and epidemiology (18%) and less representation in health services administration (19%) than other students. Blacks were represented more in health services administration (36%) and public health practice (11%) than other students and less in environmental sciences (9%) and biomedical sciences (0.6%). Hispanic students at Puerto Rico were represented more in health education (17%), environmental sciences (23%) and nutrition (15%), while mainland Hispanic students were represented more in health education (14%) and other (18%) areas. American Indian students were represented largely in health services administration (41%) and health education (26%) and were represented much less in epidemiology (5%) and environmental sciences (5%) than other students.

The areas with the largest proportion of doctoral students (Table 3-9) were biomedical sciences (52%), biostatistics (44%) and epidemiology (35%).

Over 29% of the Fall 1983 students were part-time. The proportion of part-time students varied greatly among schools (Table 3-12), and six schools had a majority of part-time students. There was some variation based on area (Table 3-11), with proportionately fewer part-time students in nutrition, biomedical sciences, other and nonspecialized areas.

ASPH began to collect data on off-campus students in 1983. A number of the schools have extended degree programs or programs in locations away from the main campus. Only three schools provided data for 1983, and it is hoped that all the schools with off-campus programs will eventually provide this data so that ASPH can monitor this important trend.

U.S. SCHOOLS OF PUBLIC HEALTH
SUMMARY CHARACTERISTICS OF STUDENTS
Fall 1983

SEX & CITIZENSHIP					
MALES	3690	41.7%	U.S.	7617	86.3%
FEMALES	5152	58.3	FOREIGN	1212	13.7
UNKNOWN	95	-	UNKNOWN	108	-
TOTAL	8937	100.0%	TOTAL	8937	100.0%
U.S. MALES	2908	38.2%	FOR.MALES	774	63.9%
U.S. FEMALES	4708	61.8	FOR.FEMALES	438	36.1
UNKNOWN	1	-	UNKNOWN	-	-
TOTAL	7617	100.0%	TOTAL	1212	100.0%

RACE (U.S.)	MALES	FEMALES	UNKNOWN	TOTAL	
ASIAN	137	176		313	4.5%
BLACK	129	228		357	5.2
HISPANIC	132	256		388	5.6
AMERIND	23	36		59	0.9
(TOTAL MIN.)	(421)	(696)		(1117)	(16.2)
WHITE	2255	3538	1	5794	83.8
UNKNOWN	232	474		706	-
TOTAL	2908	4708	1	7617	100.0%

STATUS		
FULL-TIME	5574	65.8%
PART-TIME	2468	29.1
OFF-CAMPUS	433	5.1
UNKNOWN	462	-
TOTAL	8937	100.0%

AREA OF SPECIALIZATION					
BIOSTAT	489.5	6.0%	NUTR	276.0	3.4%
EPID	1171.5	14.3	BIOMED	258.0	3.1
HSA	2187.5	26.6	OTHER	781.5	9.5
PHP&PM	593.0	7.2	NONSPEC	362.0	4.4
H.EDUC/BS	730.5	8.9	NONDEGREE	695.0	-
ENV.SC	1233.0	15.0	UNKNOWN	23.0	-
OS&H	136.5	1.7	TOTAL	8937.0	100.0%

DEGREE OBJECTIVE					
MPH	4153	46.5%	PhD	1002	11.2%
MS	755	8.4	OTHER DOCT.	50	0.6
MSPH	550	6.2	JOINT DEGREE	154	1.7
MHA/MHSA	389	4.4	NONDEGREE	695	7.8
OTHER MASTERS	365	4.1	TOTAL	8937	100.0%
DrPH	567	6.3	TOTAL MASTERS	6364	71.2%
ScD	257	2.9	TOTAL DOCT.	1878	21.0%

TABLE 3-1
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY SCHOOL, SEX & CITIZENSHIP
Fall 1983

SCHOOL	MALE		FEMALE		UNKNOWN	TOTAL	
ALA	60.0	44.4%	75.0	55.6%	.0	135.0	
BOSTON	78.0	27.7	204.0	72.3	.0	282.0	
CAL-BERK	156.0	32.2	328.0	67.8	.0	484.0	
CAL-UCLA	221.0	37.5	368.0	62.5	.0	589.0	
COLUMBIA	133.0	27.7	347.0	72.3	.0	480.0	
HARVARD	187.0	49.5	191.0	50.5	.0	378.0	
HAWAII	111.0	42.7	149.0	57.3	.0	260.0	
ILL	60.0	35.5	109.0	64.5	94.0	263.0	
JHU	380.0	44.7	471.0	55.3	.0	851.0	
L.LINDA	258.0	47.9	281.0	52.1	.0	539.0	
MASS	44.0	34.9	82.0	65.1	.0	126.0	
MICH	296.0	46.0	347.0	54.0	.0	643.0	
MINN	131.0	35.6	237.0	64.4	1.0	369.0	
N.CAR	285.0	41.6	400.0	58.4	.0	685.0	
OKLA	122.0	51.5	115.0	48.5	.0	237.0	
PITT	237.0	47.8	259.0	52.2	.0	496.0	
PR	64.0	28.6	160.0	71.4	.0	224.0	
S.CAR	92.0	43.0	122.0	57.0	.0	214.0	
S.DIEGO	56.0	43.1	74.0	56.9	.0	130.0	
TEXAS	214.0	43.3	280.0	56.7	.0	494.0	
TULANE	231.0	54.1	196.0	45.9	.0	427.0	
WASH	174.0	48.5	185.0	51.5	.0	359.0	
YALE	100.0	36.8	172.0	63.2	.0	272.0	
Total	3690.0	41.7%	5152.0	58.3%	95.0	8937.0	100.0%

SCHOOL	U.S.		FOREIGN		UNKNOWN	TOTAL	
ALA	128.0	94.8%	7.0	5.2%	.0	135.0	
BOSTON	271.0	96.1	11.0	3.9	.0	282.0	
CAL-BERK	448.0	92.6	36.0	7.4	.0	484.0	
CAL-UCLA	503.0	85.4	86.0	14.6	.0	589.0	
COLUMBIA	465.0	96.9	15.0	3.1	.0	480.0	
HARVARD	292.0	77.2	86.0	22.8	.0	378.0	
HAWAII	201.0	77.3	59.0	22.7	.0	260.0	
ILL	156.0	92.3	13.0	7.7	94.0	263.0	
JHU	675.0	79.3	176.0	20.7	.0	851.0	
L.LINDA	349.0	64.9	189.0	35.1	1.0	539.0	
MASS	126.0	100.0	.0	0	.0	126.0	
MICH	550.0	87.0	82.0	13.0	11.0	643.0	
MINN	339.0	91.9	30.0	8.1	.0	369.0	
N.CAR	616.0	89.9	69.0	10.1	.0	685.0	
OKLA	208.0	87.8	29.0	12.2	.0	237.0	
PITT	452.0	91.1	44.0	8.9	.0	496.0	
PR	217.0	96.9	7.0	3.1	.0	224.0	
S.CAR	190.0	89.6	22.0	10.4	2.0	214.0	
S.DIEGO	118.0	90.8	12.0	9.2	.0	130.0	
TEXAS	440.0	89.1	54.0	10.9	.0	494.0	
TULANE	285.0	66.7	142.0	33.3	.0	427.0	
WASH	335.0	93.3	24.0	6.7	.0	359.0	
YALE	253.0	93.0	19.0	7.0	.0	272.0	
Total	7617.0	86.3%	1212.0	13.7%	108.0	8937.0	100.0%

TABLE 3-2
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. STUDENTS BY SCHOOL AND RACE
Fall 1983

SCHOOL	ASIAN		BLACK		HISPANIC		AMERIND		TOTALMIN.	
ALA	1.0	0.8%	26.0	20.4%	1.0	0.8%	.0		28.0	22.0
BOSTON	1.0	0.5	2.0	1.0	1.0	0.5	.0		4.0	2.0
CAL-BERK	29.0	6.5	27.0	6.0	19.0	4.2	11.0	2.5%	86.0	19.2
CAL-UCLA	39.0	8.6	17.0	3.7	29.0	6.4	1.0	0.2	86.0	18.9
COLUMBIA	.0		.0		.0		.0		.0	
HARVARD	20.0	6.8	13.0	4.5	4.0	1.4	.0		37.0	12.7
HAWAII	72.0	37.5	1.0	0.5	2.0	1.0	6.0	3.1	81.0	42.2
ILL	4.0	2.6	12.0	7.7	1.0	0.6	.0		17.0	10.9
JHU	25.0	3.7	36.0	5.3	11.0	1.6	3.0	0.4	75.0	11.1
L.LINDA	16.0	4.6	24.0	6.9	20.0	5.8	.0		60.0	17.3
MASS	2.0	1.6	2.0	1.6	4.0	3.2	.0		8.0	6.3
MICH	18.0	4.1	29.0	6.6	7.0	1.6	1.0	0.2	55.0	12.6
MINN	.0		3.0	0.9	1.0	0.3	6.0	1.8	10.0	3.0
N.CAR	9.0	1.5	47.0	7.7	7.0	1.1	6.0	1.0	69.0	11.2
OKLA	.0		29.0	13.9	3.0	1.4	21.0	10.1	53.0	25.5
PITT	14.0	3.1	5.0	1.1	.0		.0		19.0	4.2
PR	.0		.0		217.0	100.0	.0		217.0	100.0
S.CAR	.0		9.0	4.7	1.0	0.5	.0		10.0	5.3
S.DIEGO	7.0	5.9	1.0	0.9	4.0	3.4	2.0	1.7	14.0	11.9
TEXAS	24.0	5.5	29.0	6.6	27.0	6.1	1.0	0.2	81.0	18.4
TULANE	4.0	1.4	19.0	6.7	20.0	7.0	.0		43.0	15.1
WASH	18.0	.4	5.0	1.5	3.0	0.9	1.0	0.3	27.0	8.1
YALE	10.0	4.0	21.0	8.3	6.0	2.4	.0		37.0	14.6
Total	313.0	4.5%	357.0	5.2%	388.0	5.6%	59.0	0.9%	1117.0	16.2

SCHOOL	WHITE		UNKNOWN	TOTAL
ALA	99.0	78.0%	1.0	128.0
BOSTON	202.0	98.0	65.0	271.0
CAL-BERK	362.0	80.8	.0	448.0
CAL-UCLA	369.0	81.1	48.0	503.0
COLUMBIA	.0		465.0	465.0
HARVARD	255.0	87.3	.0	292.0
HAWAII	111.0	57.8	9.0	201.0
ILL	139.0	89.1	.0	156.0
JHU	600.0	88.9	.0	675.0
L.LINDA	287.0	82.7	2.0	349.0
MASS	118.0	93.7	.0	126.0
MICH	382.0	87.4	113.0	550.0
MINN	329.0	97.0	.0	339.0
N.CAR	545.0	88.8	2.0	616.0
OKLA	155.0	74.5	.0	208.0
PITT	433.0	95.8	.0	452.0
PR	.0		.0	217.0
S.CAR	180.0	94.7	.0	190.0
S.DIEGO	104.0	88.1	.0	118.0
TEXAS	359.0	81.6	.0	440.0
TULANE	242.0	84.9	.0	285.0
WASH	307.0	91.9	1.0	335.0
YALE	216.0	85.4	.0	253.0
Total	5794.0	83.6%	706.0	7617.0 100.0%

TABLE 3-3
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY DEGREE OBJECTIVE, SEX, CITIZENSHIP & RACE[1]
Fall 1983

DEGREEOBJ	MALE		FEMALE		U.S.		FOREIGN	
MPH	1557.0	42.2%	2596.0	50.4%	3611.0	47.4%	541.0	44.6
MS	280.0	7.6	475.0	9.2	674.0	8.8	76.0	6.3
MSPH	301.0	8.1	249.0	4.8	406.0	5.3	143.0	11.8
MHA/MHSA	180.0	4.9	209.0	4.1	379.0	5.0	10.0	0.8
OTHER.MAST	143.0	3.9	222.0	4.3	333.0	4.4	32.0	2.6
DrPH	235.0	6.4	332.0	6.4	463.0	6.1	104.0	8.6
ScD	126.0	3.4	131.0	2.5	214.0	2.8	43.0	3.6
PhD	489.0	13.3	512.0	10.0	868.0	11.4	129.0	10.6
OTHER.DOC	30.0	0.8	20.0	0.4	42.0	0.6	8.0	0.7
JOINT.DEG	68.0	1.8	86.0	1.7	153.0	2.0	1.0	0.1
NONDEGREE	281.0	7.6	320.0	6.2	474.0	6.2	125.0	10.3
Total	3690.0	100.0%	5152.0	100.0%	7617.0	100.0%	1212.0	100.0
% MASTERS[2]	68.5		74.5		72.9		66.3	
% DOCTORATES	23.9		19.3		20.9		23.4	

DEGREEOBJ	ASIAN		BLACK		HISPANIC[3]		AMERIND		WHITE	
MPH	162.0	51.8%	203.0	56.8%	127.0	32.7%	43.0	72.8%	2751.0	47.5
MS	25.0	8.0	15.0	4.2	88.0	22.7	4.0	6.8	488.0	8.4
MSPH	13.0	4.2	30.0	8.4	10.0	2.6	1.0	1.7	341.0	5.9
MHA/MHSA	6.0	1.9	11.0	3.1	38.0	9.8	.0		315.0	5.4
OTHER.MAST	12.0	3.8	9.0	2.5	63.0	16.2	1.0	1.7	248.0	4.3
DrPH	13.0	4.2	31.0	8.7	17.0	4.4	5.0	8.5	323.0	5.6
ScD	12.0	3.8	6.0	1.7	2.0	0.5	1.0	1.7	193.0	3.3
PhD	33.0	10.5	19.0	5.3	10.0	2.6	3.0	5.1	737.0	12.7
OTHER.DOC	3.0	1.0	2.0	0.6	1.0	0.3	.0		35.0	0.6
JOINT.DEG	7.0	2.2	11.0	3.1	2.0	0.5	.0		71.0	1.2
NONDEGREE	27.0	8.6	20.0	5.6	30.0	7.7	1.0	1.7	292.0	5.1
Total	313.0	100.0%	357.0	100.0%	388.0	100.0%	59.0	100.0%	5794.0	100.0
% MASTERS[2]	71.6		78.2		84.5		83.1		72.7	
% DOCTORATES	19.8		16.3		7.7		15.3		22.3	

[1] Excludes students of unknown sex, citizenship and race.

[2] Includes joint degrees based on SPH degree.

[3] See Table 3-7 for data on Hispanics excluding Puerto Rico.

TABLE 3-4
U.S. SCHOOLS OF PUBLIC HEALTH
JOINT DEGREES BY AREA, SEX & RACE [1]
Fall 1983

AREA	JOINT DEGREE	MALE	FEMALE	TOTAL
EPID	MD-MPH	1.0	2.0	3.0
EPID	MD-PhD	1.0	1.0	2.0
EPID	MPH-OD	.0	1.0	1.0
EPID	MPH-PhD	1.0	.0	1.0
HSA	MD-MPH	10.0	8.0	18.0
HSA	MPH-JD	1.0	4.0	5.0
HSA	MPH-MBA	16.0	19.0	35.0
HSA	MPH-MIA	3.0	2.0	5.0
HSA	MPH-MN	.0	1.0	1.0
HSA	MPH-MPA	1.0	.0	1.0
HSA	MPH-MPPM	.0	1.0	1.0
HSA	MPH-MSN	2.0	19.0	21.0
HSA	MPH-MSW	1.0	2.0	3.0
PHP&PM	MPH-MSW	1.0	4.0	5.0
PHP&PM	MPH-PhD	1.0	.0	1.0
ENV.SC	MD-MPH	.0	1.0	1.0
ENV.SC	MPH-MBA	.0	1.0	1.0
OTHER	MD-MPH	4.0	1.0	5.0
OTHER	MPH-MSUP	3.0	2.0	5.0
OTHER	MPH-MSW	5.0	10.0	15.0
NONSPEC	MD-MPH	14.0	5.0	19.0
NONSPEC	MPH-DDS	1.0	2.0	3.0
NONSPEC	MPH-PhD	2.0	.0	2.0
Total		68.0	86.0	154.0

JOINT DEGREE	ASIAN	BLACK	HISPANIC	AMERIND	WHITE
MD-MPH	4.0	6.0	2.0	.0	32.0
MD-PhD	1.0	.0	.0	.0	1.0
MPH-DDS	.0	.0	.0	.0	.0
MPH-JD	.0	1.0	.0	.0	4.0
MPH-MBA	1.0	2.0	.0	.0	18.0
MPH-MIA	.0	.0	.0	.0	.0
MPH-MN	.0	.0	.0	.0	1.0
MPH-MPA	.0	.0	.0	.0	.0
MPH-MPPM	.0	.0	.0	.0	1.0
MPH-MSN	.0	.0	.0	.0	4.0
MPH-MSUP	.0	.0	.0	.0	.0
MPH-MSW	.0	2.0	.0	.0	6.0
MPH-OD	1.0	.0	.0	.0	.0
MPH-PhD	.0	.0	.0	.0	4.0
Total	7.0	11.0	2.0	.0	71.0

1 Racial breakdown excludes 1 foreign student and 62 U.S. students of unknown race.

TABLE 3-5
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY AREA, SEX, CITIZENSHIP & RACE[1]
Fall 1983

AREA	MALE		FEMALE		U.S.		FOREIGN	
BIOSTAT	217.5	6.4%	272.0	5.6%	402.5	5.7%	85.0	7.8
EPID	507.5	14.9	664.0	13.8	1007.5	14.2	164.0	15.1
HSA	830.5	24.4	1356.0	28.1	2039.0	28.6	148.5	13.7
PHP&PM	146.5	4.3	446.5	9.3	487.0	6.8	106.0	9.8
H.EDUC/BS	176.0	5.2	554.5	11.5	663.5	9.3	66.0	6.1
ENV.SC	761.5	22.4	471.5	9.8	1113.5	15.6	114.5	10.5
OS&H	95.5	2.8	41.0	0.9	122.5	1.7	14.0	1.3
NUTR	44.5	1.3	231.5	4.8	248.0	3.5	27.0	2.5
BIOMED	135.0	4.0	123.0	2.6	211.0	3.0	47.0	4.3
OTHER	332.5	9.8	449.0	9.3	512.5	7.2	266.0	24.5
NONSPEC	155.0	4.6	207.0	4.3	313.0	4.4	49.0	4.5
NONDEGREE	281.0	-	320.0	-	474.0	-	125.0	-
UNKNOWN	7.0	-	16.0	-	23.0	-	.0	-
Total	3690.0	100.0%	5152.0	100.0%	7617.0	100.0%	1212.0	100.0

AREA	ASIAN		BLACK		HISPANIC[2]		AMERIND		WHITE	
BIOSTAT	31.0	10.8%	10.0	3.0%	3.0	0.8%	2.0	3.4%	307.0	5.6
EPID	51.5	18.0	44.5	13.2	26.0	7.3	3.0	5.2	814.0	14.8
HSA	55.0	19.2	120.0	35.6	80.5	22.5	24.0	41.4	1547.5	28.1
PHP&PM	16.0	5.6	37.0	11.0	20.0	5.6	4.0	6.9	408.0	7.4
H.EDUC/BS	19.0	6.7	37.0	11.0	57.0	15.9	15.0	25.9	497.5	9.1
ENV.SC	45.0	15.7	30.5	9.0	63.5	17.7	3.0	5.2	882.0	16.0
OS&H	6.0	2.1	5.0	1.5	2.0	0.6	.0	-	103.0	1.9
NUTR	16.5	5.8	12.0	3.6	35.0	9.8	2.0	3.4	173.5	3.2
BIOMED	17.0	5.9	2.0	0.6	3.0	0.8	.0	-	189.0	3.4
OTHER	24.0	8.4	21.0	6.2	46.0	12.9	1.0	1.7	351.5	6.4
NONSPEC	5.0	1.8	18.0	5.3	22.0	6.1	4.0	6.9	227.0	4.1
NONDEGREE	27.0	-	20.0	-	30.0	-	1.0	-	292.0	-
UNKNOWN	.0	-	.0	-	.0	-	.0	-	2.0	-
Total	313.0	100.0%	357.0	100.0%	388.0	100.0%	59.0	100.0%	5794.0	100.0

[1] Excludes students of unknown sex, race and citizenship. Percentages calculated without nondegree students and students with unknown area of specialization.
[2] See Table 3-7 for data on Hispanics excluding Puerto Rico.

TABLE 3-6
U.S. SCHOOLS OF PUBLIC HEALTH
U.S. STUDENTS BY AREA, SEX AND RACE [1]
Fall 1983

MALES

AREA	ASIAN		BLACK		HISPANIC		AMERIND		WHITE	
BIOSTAT	12.0	9.3%	4.0	3.3%	2.0	1.6%	1.0	4.4%	130.0	6.2
EPID	28.5	22.1	21.0	17.2	10.5	8.3	.0	-	307.0	14.5
HSA	23.0	17.8	36.0	29.5	36.0	28.6	11.0	47.8	574.0	27.2
PHP&PM	7.0	5.4	9.0	7.4	6.0	4.8	.0	-	72.5	3.4
H.EDUC/BS	6.0	4.7	11.0	9.0	14.0	11.1	5.0	21.7	103.0	4.9
ENV.SC	27.0	20.9	17.0	13.9	33.5	26.6	3.0	13.0	538.0	25.5
OS&H	3.0	2.3	5.0	4.1	1.0	0.8	.0	-	68.0	3.2
NUTR	2.5	2.0	2.0	1.7	1.0	0.8	1.0	4.4	30.0	1.4
BIOMED	7.0	5.4	1.0	0.8	.0	-	.0	-	95.0	4.5
OTHER	10.0	7.8	10.0	8.2	12.0	9.5	1.0	4.4	100.5	4.8
NONSPEC	3.0	2.3	6.0	4.9	10.0	7.9	1.0	4.4	95.0	4.5
NONDEGREE	8.0	-	7.0	-	6.0	-	.0	-	141.0	-
UNKNOWN	.0	-	.0	-	.0	-	.0	-	1.0	-
Total	137.0	100.0%	129.0	100.0%	132.0	100.0%	23.0	100.0%	2255.0	100.0

FEMALES

AREA	ASIAN		BLACK		HISPANIC [2]		AMERIND		WHITE	
BIOSTAT	19.0	12.1%	6.0	2.8%	1.0	0.4%	1.0	2.9%	177.0	5.2
EPID	23.0	14.7	23.5	10.9	15.5	6.7	3.0	8.6	507.0	15.0
HSA	32.0	20.4	84.0	39.1	44.5	19.2	13.0	37.1	972.5	28.7
PHP&PM	9.0	5.7	28.0	13.0	14.0	6.0	4.0	11.4	335.5	9.9
H.EDUC/BS	13.0	8.3	26.0	12.1	43.0	18.5	10.0	28.6	394.5	11.7
ENV.SC	18.0	11.5	13.5	6.3	30.0	12.9	.0	-	344.0	10.2
OS&H	3.0	1.9	.0	-	1.0	0.4	.0	-	35.0	1.0
NUTR	14.0	8.9	10.0	4.7	34.0	14.7	1.0	2.9	143.5	4.2
BIOMED	10.0	6.4	1.0	0.5	3.0	1.3	.0	-	94.0	2.8
OTHER	14.0	8.9	11.0	5.1	34.0	14.7	.0	8.6	251.0	7.4
NONSPEC	2.0	1.3	12.0	5.6	12.0	5.2	3.0	-	132.0	3.9
NONDEGREE	19.0	-	13.0	-	24.0	-	1.0	-	151.0	-
UNKNOWN	.0	-	.0	-	.0	-	.0	-	1.0	-
Total	176.0	100.0%	228.0	100.0%	256.0	100.0%	36.0	100.0%	3538.0	100.0

[1] Excludes students of unknown sex and race. Percentages calculated without nondegree students and students with unknown area of specialization.

[2] See Table 3-7 for data on Hispanics excluding Puerto Rico.

TABLE 3-7
U.S. SCHOOLS OF PUBLIC HEALTH
DATA ON AREA & DEGREE OBJECTIVE OF HISPANIC STUDENTS
EXCLUDING PUERTO RICO
Fall 1983

AREA	SUBAREA	MALES	FEMALES	TOTAL	
BIOSTAT		2.0	1.0	3.0	1.9%
EPID		8.5	10.5	19.0	11.8
HSA		20.0	15.5	35.5	22.1
PHP&PM	COMM.HLTH	1.0	1.0	2.0	
PHP&PM	DENTAL.PH	.0	.0	.0	
PHP&PM	GERONT	.0	.0	.0	
PHP&PM	HEALTH.SC	1.0	.0	1.0	6.2
PHP&PM	MCH	.0	5.0	5.0	
PHP&PM	MENTAL.HLTH	1.0	.0	1.0	
PHP&PM	PH.NURSING	.0	1.0	1.0	
PHP&PM	PH.SOCIAL.WK	.0	.0	.0	
PHP&PM	VET.PH	.0	.0	.0	
H.EDUC/BS		8.0	15.0	23.0	14.3
ENV.SC		13.5	4.0	17.5	10.9
OS&H		1.0	1.0	2.0	1.2
NUTR		.0	6.0	6.0	3.7
BIOMED		.0	3.0	3.0	1.9
OTHER	DIS.CTRL	2.0	1.0	3.0	
OTHER	GENETICS	.0	.0	.0	
OTHER	INTER.HLTH	5.0	8.0	13.0	
OTHER	POP/FAM.HLTH	1.0	8.0	9.0	18.0
OTHER	POPULATION	.0	1.0	1.0	
OTHER	TROPICAL.PH	.0	.0	.0	
OTHER	URBAN.HLTH	1.0	2.0	3.0	
NONSPEC		5.0	8.0	13.0	8.1
NONDEGREE		1.0	9.0	10.0	-
UNKNOWN		.0	.0	.0	-
Total		71.0	100.0	171.0	100.0%

DEGREEOBJ	MALES	FEMALES	TOTAL	
MPH	37.0	64.0	101.0	59.1%
MS	4.0	5.0	9.0	5.3
MSPH	7.0	3.0	10.0	5.8
MHA/MHSA	6.0	3.0	9.0	5.3
OTHER.MAST	.0	.0	.0	-
DrPH	6.0	11.0	17.0	9.9
ScD	1.0	1.0	2.0	1.2
PhD	6.0	4.0	10.0	5.8
OTHER.DOC	1.0	.0	1.0	0.6
JOINT.DEG	2.0	.0	2.0	1.2
NONDEGREE	1.0	9.0	10.0	5.8
Total	71.0	100.0	171.0	100.0%
% MASTERS				76.6%
% DOCTORATES				17.5%

TABLE 3-8
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY SCHOOL AND AREA OF SPECIALIZATION
Fall 1983

	BIOSTAT		EPID		HSA		PHP&PN		H.EDUC/ BS		ENV.SC		OS&H	
ALA	3	2.7%	37	33.9%	26	23.8%	9	8.3%	4	3.7%	15	13.8%	11	10.1%
BOSTON			45.5	21.0	116.5	53.7			6	2.8	49	22.6		
CAL-BERK	33	6.9	41	8.5	95	19.8	53	11.0	70	14.6	62	12.9		
CAL-UCLA	49	8.3	107	18.2	139	23.6			89	15.1	54	9.2		
COLUMBIA	32	7.5	52	12.2	183	42.9			21	4.9	34	8.0		
HARVARD	38	10.3	56	15.2	89	24.2	18	4.9	7	1.9	40	10.9	9.5	2.6
HAWAII	16	6.6	22	9.1	40	16.5	28	11.5	53	21.8	21	8.6		
ILL			31	18.3	42	24.9	56	33.1			40	23.7		
JHU	20	2.8	137	19.2	167	23.4	61	8.5	30	4.2	116	16.2		
L.LINDA	6	1.4	8	1.8	57	13.1	13	3.0	45	10.3	27	6.2		
MASS	7	5.6	27	21.4	41	32.5			21	16.7	27	21.4		
MICH	33.5	5.5	85.5	14.1	192.5	31.7	23	3.8	54.5	9.0	120	19.7	47	7.7
MINN	26	7.5	34	9.9	80	23.2	87	25.2	45	13.0	58	16.8		
N.CAR	82	12.0	60	8.8	128	18.7	75	10.9	83	12.1	140	20.4		
OKLA	11	4.6	28	11.8	92	38.8			52	21.9	54	22.8		
PITT	24	5.4	91	20.6	128	29.0	22	5.0			67	15.2	28	6.4
PR			8	3.9	45	22.2	10	4.9	36	17.7	46	22.7		
S.CAR	9	5.1	29	16.3	36	20.2	1	0.6	58	32.6	45	25.3		
S.DIEGO			23	17.7	18	13.8	25	19.2	34	26.2	23	17.7	7	5.4
TEXAS	28	5.8	44	9.0	67	13.8	50	10.3	14	2.9	66	13.5	34	7.0
TULANE	2	0.5	38	9.5	123	30.8	62	15.5	8	2.0	36	9.0		
WASH	53	14.8	80	22.4	140	39.2					68	19.1		
YALE	17	6.3	87.5	32.2	142.5	52.4					25	9.2		
TOTAL	489.5	6.0	1171.5	14.3	2187.5	26.6	593	7.2	730.5	8.9	1233	15.0	136.5	1.7

	NUTR		BIOMED		OTHER		NONSPEC		NON DEGREE	UNKNOWN	TOTAL
ALA					1	0.9%	3	2.8%	24	2	135
BOSTON									65		282
CAL-BERK	36	7.5%	44	9.2%			46	9.6	4		484
CAL-UCLA	54	9.2			97	16.5					589
COLUMBIA					65	15.2	40	9.4	32	21	480
HARVARD	15.5	4.2	15	4.1	27	7.3	53	14.4	10		378
HAWAII	18	7.4			45	18.5			17		260
ILL									94		263
JHU			87	12.2	97	13.6			136		851
L.LINDA	14	3.2			106	24.4	159	36.6	104		539
MASS	3	2.4									126
MICH	21.5	3.5			30.5	5.0			35		643
MINN	15	4.3							24		369
N.CAR	69	10.1	48	7.0							685
OKLA											237
PITT			24	5.4	57	12.9			55		496
PR	30	14.8			18	8.9	10	4.9	21		224
S.CAR									36		214
S.DIEGO											130
TEXAS					151	31.1	32	6.6	8		494
TULANE			24	6.0	87	21.8	19	4.8	28		427
WASH			16	4.5					2		359
YALE											272
TOTAL	276	3.4	258	3.1	781.5	9.5	362	4.4	695	23	8937

TABLE 3-9
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENTS BY AREA & DEGREE OBJECTIVE[1]
Fall 1983

	BIOSTAT	EPID	HSA	PHP&PM	H.EDUC BS	ENV.SCI
MPH	74	589	1144.5	438	484.5	362
MS	166	81	116	33	36	236.5
MSPH	18	51	121	5	5	182
MHA/MHSA			387	1		
OTHER MAST	17	35	41	12	38	100
DrPH	32	93	135	57	68	34
ScD	22	26	82	26	11	32
PhD	160.5	289.5	71	5	73	259.5
OTHER DOC				10	15	25
JOINT DEG		7	90	6		2
TOTAL	489.5	1171.5	2187.5	593	730.5	1233
% MASTERS	56.2	65.0	86.8	83.5	77.1	71.6
% DOCTORATES	43.8	35.0	13.2	16.5	22.9	28.4

	OS&H	NUTR	BIOMED	OTHER	NONSPEC	UNKNOWN
MPH	67	163.5	47	422.5	338	23
MS	5.5	20	23	38		
MSPH	11	18	32	107		
MHA/MHSA				1		
OTHER MAST	28	30	21	43		
DrPH	12	28	12	96		
ScD	4.5	7.5	32	14		
PhD	8.5	9	91	35		
OTHER DOC						
JOINT DEG				25	24	
TOTAL	136.5	276	258	781.5	362	23
% MASTERS	81.7	83.9	47.7	81.4	100.0	100.0
% DOCTORATES	18.3	16.1	52.3	18.6	-	-

[1]Excludes nondegree students

TABLE 3-10
U.S. SCHOOLS OF PUBLIC HEALTH
BREAKDOWN OF PHP&PM AND OTHER AREAS
Fall 1983

AREA	SUBAREA	STUDENTS
BIOSTAT		489.5
EPID		1171.5
HSA		2187.5
PHP&PM	COMM.HLTH	106.0
PHP&PM	DENTAL.PH	18.0
PHP&PM	GERONT	16.0
PHP&PM	HEALTH.SC	13.0
PHP&PM	MCH	305.0
PHP&PM	MENTAL.HLTH	23.0
PHP&PM	PH.NURSING	95.0
PHP&PM	PH.SOCIAL.WK	8.0
PHP&PM	VET.PH	9.0
H.EDUC/BS		730.5
ENV.SC		1233.0
OS&H		136.5
NUTR		276.0
BIOMED		258.0
OTHER	DIS.CTRL	54.0
OTHER	GENETICS	38.0
OTHER	INTER.HLTH	308.0
OTHER	POP/FAM.HLTH	159.0
OTHER	POPULATION	152.5
OTHER	TROPICAL.PH	34.0
OTHER	URBAN.HLTH	36.0
NONSPEC		362.0
NONDEGREE		695.0
UNKNOWN		23.0
Total		8937.0

TABLE 3-11
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENT STATUS BY AREA & DEGREE OBJECTIVE
Fall 1983

AREA	F-T		P-T		OFF-CAMPUS		UNKNOWN	TOTAL
BIOSTAT	331.0	71.7%	130.5	28.3%	.0		28.0	489.5
EPID	776.5	68.9	351.0	31.1	.0		44.0	1171.5
HSA	1464.0	69.0	586.5	27.7	70.0	3.3%	67.0	2187.5
PHP&PM	380.0	70.0	163.0	30.0	.0		50.0	593.0
H.EDUC/BS	562.5	78.5	146.0	20.4	8.0	1.1	14.0	730.5
ENV.SC	766.0	65.6	385.0	33.0	16.0	1.4	66.0	1233.0
OS&H	67.5	65.9	35.0	34.1	.0		34.0	136.5
NUTR	225.0	81.5	51.0	18.5	.0		.0	276.0
BIOMED	218.0	84.5	40.0	15.5	.0		.0	258.0
OTHER	441.5	70.0	99.0	15.7	90.0	14.3	151.0	781.5
NONSPEC	133.0	36.7	39.0	10.8	190.0	52.5	.0	362.0
NONDEGREE	209.0	30.4	419.0	61.0	59.0	8.6	8.0	695.0
UNKNOWN	.0		23.0	100.0	.0		.0	23.0
Total	5574.0	65.8%	2468.0	29.1%	433.0	5.1%	462.0	8937.0

DEGREEOBJ	F-T		P-T		OFF-CAMPUS		UNKNOWN	TOTAL
MPH	2605.0	65.9%	1062.0	26.9%	284.0	7.2%	202.0	4153.0
MS	535.0	75.8	171.0	24.2	.0		49.0	755.0
MSPH	360.0	65.5	100.0	18.2	90.0	16.3	.0	550.0
MHA/MHSA	317.0	81.5	72.0	18.5	.0		.0	389.0
OTHER.MAST	251.0	68.8	114.0	31.2	.0		.0	365.0
DrPH	307.0	65.7	160.0	34.3	.0		100.0	567.0
ScD	209.0	81.3	48.0	18.7	.0		.0	257.0
PhD	609.0	67.7	290.0	32.3	.0		103.0	1002.0
OTHER.DOC	35.0	70.0	15.0	30.0	.0		.0	50.0
JOINT.DEG	137.0	89.0	17.0	11.0	.0		.0	154.0
NONDEGREE	209.0	30.4	419.0	61.0	59.0	8.6	8.0	695.0
Total	5574.0	65.8%	2468.0	29.1%	433.0	5.1%	462.0	8937.0

TABLE 3-12
U.S. SCHOOLS OF PUBLIC HEALTH
STUDENT STATUS BY SCHOOL
Fall 1983

SCHOOL	F-T		P-T		OFF-CAMPUS		UNKNOWN	TOTAL
ALA	50.0	37.0%	85.0	63.0%	.0		.0	135.0
BOSTON	54.0	19.1	228.0	80.9	.0		.0	282.0
CAL-BERK	484.0	100.0	.0		.0		.0	484.0
CAL-UCLA	574.0	97.5	15.0	2.5	.0		.0	589.0
COLUMBIA	223.0	46.5	257.0	53.5	.0		.0	480.0
HARVARD	315.0	83.3	63.0	16.7	.0		.0	378.0
HAWAII	178.0	68.5	82.0	31.5	.0		.0	260.0
ILL	110.0	41.8	153.0	58.2	.0		.0	263.0
JHU	742.0	87.2	109.0	12.8	.0		.0	851.0
L.LINDA	109.0	20.2	99.0	18.4	331.0	61.4%	.0	539.0
MASS	123.0	97.6	3.0	2.4	.0		.0	126.0
MICH	475.0	73.9	168.0	26.1	.0		.0	643.0
MINN	249.0	67.5	120.0	32.5	.0		.0	369.0
N.CAR	476.0	69.5	209.0	30.5	.0		.0	685.0
OKLA	89.0	37.5	148.0	62.5	.0		.0	237.0
PITT	211.0	42.5	285.0	57.5	.0		.0	496.0
PR	143.0	63.8	81.0	36.2	.0		.0	224.0
S.CAR	110.0	51.4	104.0	48.6	.0		.0	214.0
S.DIEGO	103.0	79.2	27.0	20.8	.0		.0	130.0
TEXAS	.0		.0		32.0	6.5	462.0	494.0
TULANE	341.0	79.9	86.0	20.1	.0		.0	427.0
WASH	190.0	52.9	99.0	27.6	70.0	19.5	.0	359.0
YALE	225.0	82.7	47.0	17.3	.0		.0	272.0
Total	5574.0	65.8%	2468.0	29.1%	433.0	5.1%	462.0	8937.0

B. Student Trends 1974-75 through 1983-84

In 1958 there were 11 schools of public health in the U.S. with a total enrollment of less than 1,200 students. The typical student of that time was a White male, about 33 years old, with a medical background, who was enrolled full-time in a one-year master's degree program and was receiving financial assistance from a government agency. Twenty-five years later, in 1983, there were 23 schools with a total enrollment of almost 9,000 students. The student body in the schools today is much more varied, and it is not really possible to describe a typical student. Total enrollment in schools of public health increased steadily through 1981, although the rate of growth had slowed down after 1978. Since 1981 enrollments have leveled off at about 9,000 students.

There have been a number of significant changes in student characteristics over the years. The proportion of women has steadily increased from 46% in 1974 to 58% in 1983. In 1958 only 29% of the students were women.

Foreign students represented nearly one-quarter of the student population in the late 1950s. Although their numbers continued to grow over the years, the large increase in U.S. enrollments tended to dwarf the foreign student increases, until foreign students represented less than 10% of the total student population by 1977. However, in the Fall of 1981 the number of foreign students nearly doubled (1299 vs. 730 reported in 1980). It is likely that due to some changes in the method of data collection, foreign students may have been underreported prior to 1981. However, this alone would not account for the increase. The number of foreign students remains high at 1,212 in 1983, or 14% of the total student population.

Data on minority students has been collected by ASPH since 1974; there is no information on race in the 1960s data. The number and proportion of minority students rose from 1974 until 1980 when there were 1,102 minority students (1,059 without Puerto Rico), and minority students represented 18.4% (17.7% without Puerto Rico) of the U.S. students. The overall number of minority students has been falling slightly although the increase in the student enrollment at Puerto Rico tends to confuse the data somewhat. In 1983 there were 1,117 minority students (900 without Puerto Rico) and they represented 16.2% (13.2% without Puerto Rico) of the U.S. students. As noted previously, ASPH no longer collects information on age of students, but has fairly recent data. In 1958 the median age of a student was 33 years of age. By 1974 the median age was about 27-1/2 and declined to 27 in 1976. Then it began to rise each year and was 29-1/2 by 1982.

The enrollment status of students has fluctuated quite a bit over three years. In 1958 there were reportedly very few part-time students. By 1974 when the ASPH database started, over one-quarter (26%) of the students were part-time. The proportion of part-time students decreased steadily to 19% in 1979 and then began to rise quite dramatically. Since 1981 close to one-third of the students have been enrolled part-time.

Another recent trend is an increase in the number of off-campus students enrolled in extended degree programs and programs at locations other than the main campus. ASPH has just begun to collect data on these programs which are expected to grow in the future.

Areas of specialization for students have remained quite stable over the past ten years. Since the areas fluctuate somewhat it is difficult to see any long-term trends. Environmental sciences and epidemiology have grown fairly steadily while nutrition appears to be declining.

With regard to degree objective, there has been very little change since 1974. About 70% of the students pursue master's degrees and about 20% pursue doctorates. There has been some change in nondegree students over the years. In 1974 almost 7% of the students were nondegree students. This leveled off at about 3-4% during the late 1970s. Since 1981 there has been a significant increase in the number of nondegree students, and they now represent almost 8% of the total students.

Some very general summary comments can be made about student trends over the past twenty-five years. From the "typical" student of the early 1960s described at the beginning of this section -- White male, early thirties, medically-trained -- the student population of the schools of public health has become very diverse. During the 1970s there was an influx of younger students from a variety of fields. These students overall had less prior education and less work experience. Part of this change was due to the increase in the number of female students, who generally have less prior education than male students, and the decrease in the proportion of foreign students who have more prior education and a very high proportion of MDs.

During the 1970s the schools began to expand their master's programs from one to two years. This was partly in response to changing student characteristics and partly in response to the knowledge explosion in public health. More schools also instituted doctoral programs, partly in response to the changing student characteristics (fewer students with prior doctorates) and partly in response to the belief that non-medical doctorates were also valid in public health.

During the 1980s the student population has again undergone changes. Although there is really no "typical" student anymore, there is a shift toward older, more experienced, employed students. The proportion of students who receive financial assistance has declined over the years and this, coupled with the more conservative economic outlook characteristic of the 1980s, has had an impact on students. More students need to attend school part-time for financial reasons, and many others who live where there is no school nearby are reluctant to leave their jobs to return to school. One response from the schools has been to increase the number of part-time students they will accept, and another has been the initiation of off-campus programs.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF STUDENTS
(Fall Semester)

Students by Sex

YEAR	MALE		FEMALE		UNKNOWN	TOTAL
1958[1]	886	71.3%	356	28.7%	-	1242
1974[2]	2673	53.7	2307	46.3	841	5821
1975	3163	52.5	2857	47.5	441	6461
1976	3181	51.5	3001	48.5	433	6615
1977	3233	50.3	3193	49.7	415	6841
1978[2]	3367	47.6	3704	52.4	651	7722
1979[2]	3397	46.2	3949	53.8	869	8215
1980	3023	44.8	3728	55.2	1735	8486
1981	3865	44.6	4800	55.4	382	9047
1982	3794	42.7	5101	57.3	1	8896
1983	3690	41.7	5152	58.3	95	8937

Students by Citizenship

YEAR	U.S.		FOREIGN		UNKNOWN	TOTAL
1958[1]	950	76.5%	292	23.5%	-	1242
1974	5072	89.4	600	10.6	149	5821
1975	5415	90.3	582	9.7	464	6461
1976	5597	90.3	600	9.7	418	6615
1977	5804	90.2	634	9.8	403	6841
1978	6340	90.0	707	10.0	675	7722
1979	6532	89.3	782	10.7	901	8215
1980	6047	89.2	730	10.8	1709	8486
1981	7366	85.0	1299	15.0	382	9047
1982	7615	86.5	1190	13.5	91	8896
1983	7617	86.3	1212	13.7	108	8937

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[1] Data for 1958 from Dr. James Troupin and includes 2 Canadian schools.

[2] Puerto Rico did not report in 1974 and only reported total enrollment in 1978 and 1979.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF STUDENTS (Continued)

U.S. Students by Race

YEAR	ASIAN	BLACK	HISPANIC[1]	AMERIND	WHITE	UNKNOWN	TOTAL
1974	156 3.4%	351 7.7%	76 1.7%	49 1.1%	3883 85.4%	525	5072
1975	218 4.1	348 6.6	309 5.9	59 1.1	4334 82.3	147	5415
1976	N/A	N/A	N/A	N/A	N/A	5597	5597
1977	N/A	N/A	N/A	N/A	N/A	5804	5804
1978	N/A	N/A	N/A	N/A	N/A	6340	6340
1979	408 6.3	415 6.4	173 2.7	68 1.0	5421 83.6	47	6532
1980	393 6.6	379 6.3	242 4.0	88 1.5	4892 81.6	53	6047
1981	335 5.2	376 5.8	271 4.2	82 1.3	5440 83.6	862	7366
1982	368 5.3	403 5.8	359 5.1	70 1.0	5805 82.9	610	7615
1983	313 4.5	357 5.2	388 5.6	59 0.9	5794 83.8	706	7617

Students by Status

YEAR	FULL-TIME	PART-TIME	OFF-CAMPUS	UNKNOWN	TOTAL
1974	3331 73.7%	1188 26.3%	N/A	1302	5821
1975	4562 76.4	1407 23.6	N/A	492	6461
1976	4760 76.9	1427 23.1	N/A	428	6615
1977	4907 78.4	1351 21.6	N/A	583	6841
1978	5330 79.5	1372 20.5	N/A	1020	7722
1979	5895 80.9	1388 19.1	N/A	932	8215
1980	4782 77.8	1365 22.2	N/A	2339	8486
1981	5070 69.2	2254 30.8	N/A	1723	9047
1982	5948 66.9	2948 33.1	N/A	-	8896
1983	5574 65.8	2468 29.1	433 5.1%	462	8937

[1] Puerto Rico did not report in 1974 and only reported total enrollment in 1978 and 1979.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF STUDENTS (Continued)

Students by Degree Objective

YEAR	BACHELOR	MPH	MS	MSPH	MHA/ MHSA	OTHER MASTERS	DrPH
1974	130 2.6%	2437 48.7%	N/A	294 5.9%	N/A	853 17.1%	318 6.4%
1975	212 3.6	2838 47.5	N/A	618 10.3	N/A	848 14.2	382 6.4
1976	111 1.8	2986 48.2	N/A	653 10.5	N/A	862 13.9	394 6.4
1977	55 0.9	3152 49.3	609 9.5%	373 5.8	292 4.6%	413 6.5	375 5.9
1978	56 0.8	3479 49.7	633 9.0	519 7.4	255 3.6	404 5.8	431 6.2
1979[1]	126 1.7	N/A	N/A	N/A	N/A	5385 73.5	N/A
1980	82 1.2	3176 47.1	473 7.0	534 7.9	394 5.9	357 5.3	442 6.6
1981[1]	42 0.5	N/A	N/A	N/A	N/A	6378 73.3	N/A
1982	N/A	4293 48.3	758 8.5	594 6.7	N/A	609 6.8	549 6.2
1983	N/A	4153 46.5	755 8.4	550 6.2	389 4.4	365 4.1	567 6.3

YEAR	ScD	PhD	OTHER DOCT.	JOINT DEGREE [2]	NON DEGREE	UNKNOWN	TOTAL
1974	N/A	447 8.9%	184 3.7%	N/A	338 6.8%	820	5821
1975	N/A	578 9.7	219 3.7	N/A	279 4.7	487	6461
1976	N/A	623 10.1	234 3.8	75 1.2%	253 4.1	424	6615
1977	209 3.3%	611 9.6	70 1.1	25 0.4	214 3.3	443	6841
1978	229 3.3	669 9.6	69 1.0	23 0.3	231 3.3	724	7722
1979	N/A	N/A	1552 21.2	N/A	261 3.6	891	8215
1980	170 2.5	771 11.4	49 0.7	27 0.4	265 3.9	1746	8486
1981	N/A	N/A	1803 20.7	N/A	479 5.5	345	9047
1982	269 3.0	978 11.0	19 0.2	69 0.8	752 8.5	6	8896
1983	257 2.9	1002 11.2	50 0.6	154 1.7	695 7.8	0	8937

1 No breakdown of master's and doctoral degrees.
2 Until 1983 data is only for MD-MPH joint degrees.

U.S. SCHOOLS OF PUBLIC HEALTH

CHARACTERISTICS OF STUDENTS (Continued)

Students by Area of Specialization

YEAR	BIOSTAT		EPID		HSA		PHP&PM		H.EDUC/BS		ENV.SC		OS&H	
1974	339	7.3%	422	9.1%	1380	29.8%	416	9.0%	181	3.9%	653	14.1%	114	2.5%
1975	478	8.3	873	15.1	1894	32.8	557	9.6	341	5.9	795	13.8	157	2.7
1976	462	7.5	968	15.7	1788	29.0	573	9.3	449	7.3	762	12.3	154	2.5
1977	440	6.9	759	11.9	1740	27.2	682	10.7	421	6.6	764	12.0	228	3.6
1978	491	7.1	880	12.8	1809	26.3	744	10.8	489	7.1	821	11.9	269	3.9
1979	495	6.8	940	13.0	1923	26.6	651	9.0	495	6.8	900	12.4	310	4.3
1980	472	7.1	882	13.2	1656	24.9	591	8.9	440	6.6	584	8.8	437	6.6
1981	529	6.3	1051	12.5	1731	20.6	921	10.9	556	6.6	956	11.4	398	4.7
1982	559	6.4	1070	12.2	2107	24.0	644.5	7.4	590.5	6.7	1121.5	12.8	313.5	3.6
1983	489.5	6.0	1171.5	14.3	2187.5	26.6	593	7.2	730.5	8.9	1233	15.0	136.5	1.7

YEAR	NUTR		BIOMED		OTHER		NONSPEC		NONDEGREE	UNKNOWN	TOTAL
1974	201	4.3%	N/A		927	20.0%	N/A		N/A	1188	5821
1975	245	4.2	N/A		440	7.6	N/A		N/A	681	6461
1976	328	5.3	N/A		690	11.2	N/A		N/A	441	6615
1977	388	6.1	273	4.3%	693	10.8	N/A		N/A	453	6841
1978	386	5.6	256	3.7	731	10.7	N/A		N/A	846	7722
1979	377	5.2	316	4.4	827	11.4	N/A		N/A	981	8215
1980	352	5.3	229	3.4	1018	15.3	N/A		N/A	1825	8486
1981	333	4.0	373	4.4	897	10.7	670	8.0%	N/A	632	9047
1982	373	4.3	348	4.0	859	9.8	783	8.9	N/A	127	8896
1983	276	3.4	258	3.1	781.5	9.5	362	4.4	695	23	8937

U.S. SCHOOLS OF PUBLIC HEALTH
TOTAL ENROLLMENTS
Fall Semester

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
ALA	--	--	--	--	90	129	147	165	126	135
BOSTON	--	--	--	--	--	--	--	280	270	282
CAL-BERK*	371	396	505	430	415	466	469	497	435	484
CAL-UCLA*	462	493	521	484	528	584	607	580	530	589
COLUMBIA*	200	291	327	343	399	413	487	431	538	480
HARVARD*	341	381	361	414	473	455	435	403	421	378
HAWAII*	149	200	268	316	336	350	352	338	312	260
ILL*	103	113	139	139	154	144	163	216	287	263
JHU*	493	565	551	633	653	735	891	834	856	851
L.LINDA	197	241	269	223	323	258	271	761[1]	722	539
MASS*	87	105	86	119	118	167	138	139	135	126
MICH*	762	775	683	610	704	657	742	742	645	643
MINN*	379	477	460	455	508	509	502	448	374	369
N.CAR*	533	501	520	595	660	671	670	600	637	685
OKLA*	184	178	172	186	193	248	232	225	188	237
PITT*	454	408	408	459	465	483	454	500	454	496
PR	N/A	221	96	136	136	136	144	140	203	224
S.CAR	--	--	--	76	117	154	154	175	192	214
S.DIEGO	--	--	--	--	--	--	--	--	100	130
TEXAS*	325	372	365	414	555	601	603	576	504	494
TULANE*	301	306	302	338	366	405	344	389	382	427
WASH*	264	223	285	242	290	380	404	321	294	359
YALE*	216	215	297	229	239	270	277	287	291	272
TOTAL	5,821[2]	6,461	6,615	6,841	7,722	8,215	8,486	9,047	8,896	8,937
Trends for 17 schools*	5,624	5,999 (+7%)	6,250 (+4%)	6,406 (+3%)	7,056 (+10%)	7,538 (+7%)	7,770 (+3%)	7,526 (-3%)	7,283 (-3%)	7,413 (+2%)

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1 Off-campus students included for first time.

2 Puerto Rico not included.

IV. GRADUATES

A. 1983-84 Graduates

There were 3,299 graduates from the 23 schools in 1983-84. Of this total, 55% were female, 18% foreign, and 15% of the U.S. graduates were members of minority groups.

Over 60% of the total degrees awarded were MPH degrees, and about 11% were doctorates. Thirteen percent of the male graduates got doctorates compared to 9% of the female graduates; 11% of the White graduates got doctorates compared to 12% of the Asian, 6% of the Black, 9% of the Hispanic (excluding Puerto Rico), and 8% of the American Indian graduates.

Areas with the greatest number of graduates were health services administration (27%), environmental sciences (13%), epidemiology (13%) and other (12%) areas. Those areas with the greatest proportion of doctorates were biomedical sciences (39%), biostatistics (37%) and epidemiology (21%).

There were 480 graduates with prior MD degrees reported by 22 schools. The areas with the highest proportion of prior MDs were epidemiology (30%), occupational health (30%), public health practice (28%), nonspecialized (28%) and other areas (25%).

Almost 58% of the graduates had only a prior bachelor's degree. This figure is higher if nursing degrees (most of which are bachelor's) are included. There were significant differences in prior degrees based on sex and citizenship. About 64% of the females had only a prior bachelor's compared to 50% of the males. Almost 28% of the males had prior MD degrees compared to 7% of the females. Almost half (46%) of the foreign graduates had prior MD degrees compared to 10% for U.S. students.

U.S. SCHOOLS OF PUBLIC HEALTH
SUMMARY CHARACTERISTICS OF GRADUATES
1983-84

SEX & CITIZENSHIP					
MALES	1477	44.8%	U.S.	2652	81.6%
FEMALES	1820	55.2	FOREIGN	597	18.4
UNKNOWN	2	-	UNKNOWN	50	-
TOTAL	3299	100.0%	TOTAL	3299	100.0%
U.S. MALES	1056	39.8%	FOR.MALES	400	67.0%
U.S. FEMALES	1594	60.2	FOR.FEMALES	197	33.0
UNKNOWN	2	-	UNKNOWN	-	-
TOTAL	2652	100.0%	TOTAL	597	100.0%

RACE (U.S.)	MALES	FEMALES	UNKNOWN	TOTAL	
ASIAN	47	65	-	112	4.3%
BLACK	51	97	2	150	5.8
HISPANIC	39	71	-	110	4.3
AMERIND	11	14	-	25	1.0
(TOTAL MIN.)	(148)	(247)	(2)	(397)	(15.4)
WHITE	877	1314	-	2191	84.6
UNKNOWN	31	33	-	64	-
TOTAL	1056	1594	2	2652	100.0%

AREA					
BIOSTAT	132.5	4.0%	OS&H	60	1.8%
EPID	423	12.8	NUTR	120.5	3.7
HSA	906	27.4	BIOMED	90	2.7
PHP&PM	286	8.7	OTHER	402.5	12.2
H.EDUC/BS	230	7.0	NONSPEC	220	6.7
ENV.SC	428.5	13.0	TOTAL	3299	100.0%

DEGREE AWARDED					
MPH	1997	60.5%	PhD	214	6.5%
MS	298	9.0	OTHER DOCT.	15	0.5
MSPH	241	7.3	JOINT DEGREE	85	2.6
MHA/MHSA	183	5.6	TOTAL	3299	100.0%
OTHER MASTERS	142	4.3	TOTAL MASTERS	2945	89.3%
DrPH	77	2.3	TOTAL DOCT.	354	10.7%
ScD	47	1.4			

HIGHEST PREVIOUS DEGREE					
BACHELORS	1713	57.8%	PhD	46	1.6%
NURSING DEG.	214	7.2	OTHER DOCT.	28	0.9
MASTERS	402	13.6	OTHER DEGREE	16	0.5
MD/DO	480	16.2	UNKNOWN	335	-
DDS	51	1.7	TOTAL	3299	100.0%
DVM	14	0.5			

TABLE 4-1
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY SCHOOL, SEX & CITIZENSHIP
1983-84

SCHOOL	MALE	FEMALE	UNKNOWN	TOTAL
ALA	20.0	24.0	.0	44.0
BOSTON	25.0	67.0	.0	92.0
CAL-BERK	90.0	144.0	.0	234.0
CAL-UCLA	78.0	148.0	.0	226.0
COLUMBIA	60.0	134.0	.0	194.0
HARVARD	108.0	94.0	.0	202.0
HAWAII	54.0	66.0	.0	120.0
ILL	34.0	41.0	.0	75.0
JHU	160.0	153.0	2.0	315.0
L.LINDA	142.0	106.0	.0	248.0
MASS	14.0	15.0	.0	29.0
MICH	99.0	137.0	.0	236.0
MINN	95.0	104.0	.0	199.0
N.CAR	113.0	191.0	.0	304.0
OKLA	30.0	17.0	.0	47.0
PITT	62.0	60.0	.0	122.0
PR	20.0	37.0	.0	57.0
S.CAR	22.0	31.0	.0	53.0
S.DIEGO	16.0	14.0	.0	30.0
TEXAS	50.0	59.0	.0	109.0
TULANE	98.0	71.0	.0	169.0
WASH	42.0	39.0	.0	81.0
YALE	45.0	68.0	.0	113.0
Total	1477.0	1820.0	2.0	3299.0

SCHOOL	U.S.	FOREIGN	UNKNOWN	TOTAL
ALA	40.0	4.0	.0	44.0
BOSTON	85.0	7.0	.0	92.0
CAL-BERK	218.0	16.0	.0	234.0
CAL-UCLA	155.0	22.0	49.0	226.0
COLUMBIA	180.0	14.0	.0	194.0
HARVARD	149.0	53.0	.0	202.0
HAWAII	85.0	35.0	.0	120.0
ILL	63.0	12.0	.0	75.0
JHU	222.0	93.0	.0	315.0
L.LINDA	132.0	116.0	.0	248.0
MASS	25.0	4.0	.0	29.0
MICH	203.0	32.0	1.0	236.0
MINN	185.0	14.0	.0	199.0
N.CAR	278.0	26.0	.0	304.0
OKLA	33.0	14.0	.0	47.0
PITT	107.0	15.0	.0	122.0
PR	53.0	4.0	.0	57.0
S.CAR	46.0	7.0	.0	53.0
S.DIEGO	18.0	12.0	.0	30.0
TEXAS	97.0	12.0	.0	109.0
TULANE	102.0	67.0	.0	169.0
WASH	71.0	10.0	.0	81.0
YALE	105.0	8.0	.0	113.0
Total	2652.0	597.0	50.0	3299.0

TABLE 4-2
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY SCHOOL & RACE
1983-84

SCHOOL	ASIAN	BLACK	HISPANIC	AMERIND	TOTAL MIN.
ALA	2.0	5.0	.0	.0	7.0
BOSTON	1.0	1.0	.0	.0	2.0
CAL-BERK	13.0	16.0	13.0	11.0	53.0
CAL-UCLA	12.0	5.0	6.0	1.0	24.0
COLUMBIA	5.0	14.0	2.0	.0	21.0
HARVARD	11.0	10.0	3.0	.0	24.0
HAWAII	31.0	1.0	2.0	4.0	38.0
ILL	4.0	4.0	.0	.0	8.0
JHU	4.0	16.0	2.0	.0	22.0
L.LINDA	3.0	4.0	8.0	.0	15.0
MASS	.0	.0	1.0	.0	1.0
MICH	4.0	15.0	3.0	.0	22.0
MINN	1.0	2.0	.0	1.0	4.0
N.CAR	6.0	28.0	3.0	3.0	40.0
OKLA	.0	3.0	.0	5.0	8.0
PITT	.0	1.0	.0	.0	1.0
PR	.0	.0	53.0	.0	53.0
S.CAR	.0	4.0	.0	.0	4.0
S.DIEGO	1.0	.0	.0	.0	1.0
TEXAS	5.0	6.0	6.0	.0	17.0
TULANE	4.0	5.0	4.0	.0	13.0
WASH	5.0	1.0	.0	.0	6.0
YALE	.0	9.0	4.0	.0	13.0
Total	112.0	150.0	110.0	25.0	397.0

SCHOOL	WHITE	UNKNOWN	TOTAL
ALA	33.0	.0	40.0
BOSTON	83.0	.0	85.0
CAL-BERK	165.0	.0	218.0
CAL-UCLA	118.0	13.0	155.0
COLUMBIA	157.0	2.0	180.0
HARVARD	125.0	.0	149.0
HAWAII	44.0	3.0	85.0
ILL	55.0	.0	63.0
JHU	200.0	.0	222.0
L.LINDA	117.0	.0	132.0
MASS	24.0	.0	25.0
MICH	136.0	45.0	203.0
MINN	181.0	.0	185.0
N.CAR	238.0	.0	278.0
OKLA	25.0	.0	33.0
PITT	106.0	.0	107.0
PR	.0	.0	53.0
S.CAR	41.0	1.0	46.0
S.DIEGO	17.0	.0	18.0
TEXAS	80.0	.0	97.0
TULANE	89.0	.0	102.0
WASH	65.0	.0	71.0
YALE	92.0	.0	105.0
Total	2191.0	64.0	2652.0

TABLE 4-3

U.S. SCHOOLS OF PUBLIC HEALTH

GRADUATES BY DEGREE, SEX, CITIZENSHIP & RACE [1]

1983-84

DEGREE	U.S. MALES	U.S. FEMALES	FOR.MALES	FOR.FEMALES
MPH	571.0	1030.0	247.0	131.0
MS	106.0	156.0	17.0	13.0
MSPH	64.0	72.0	84.0	21.0
MHA/MHSA	86.0	90.0	7.0	.0
OTHER.MAST	54.0	61.0	14.0	11.0
DrPH	19.0	40.0	8.0	6.0
ScD	19.0	22.0	4.0	2.0
PhD	94.0	78.0	17.0	12.0
OTHER.DOC	4.0	2.0	.0	.0
JOINT.DEG	39.0	43.0	2.0	1.0
Total	1056.0	1594.0	400.0	197.0

DEGREE	MALE	FEMALE	U.S.	FOREIGN
MPH	821.0	1176.0	1601.0	378.0
MS	128.0	170.0	262.0	30.0
MSPH	148.0	93.0	136.0	105.0
MHA/MHSA	93.0	90.0	176.0	7.0
OTHER.MAST	68.0	72.0	117.0	25.0
DrPH	27.0	50.0	59.0	14.0
ScD	23.0	24.0	41.0	6.0
PhD	117.0	97.0	172.0	29.0
OTHER.DOC	11.0	4.0	6.0	.0
JOINT.DEG	41.0	44.0	82.0	3.0
Total	1477.0	1820.0	2652.0	597.0

DEGREE	ASIAN	BLACK	HISPANIC	AMERIND	WHITE
MPH	79.0	106.0	62.0	22.0	1315.0
MS	11.0	6.0	17.0	.0	200.0
MSPH	3.0	10.0	5.0	1.0	117.0
MHA/MHSA	.0	7.0	13.0	.0	153.0
OTHER.MAST	1.0	4.0	8.0	.0	104.0
DrPH	4.0	3.0	4.0	1.0	47.0
ScD	4.0	1.0	.0	.0	36.0
PhD	5.0	5.0	1.0	1.0	144.0
OTHER.DOC	.0	.0	.0	.0	6.0
JOINT.DEG	5.0	8.0	.0	.0	69.0
Total	112.0	150.0	110.0	25.0	2191.0

[1] Excludes graduates of unknown sex, citizenship, and race.

TABLE 4-4
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY SCHOOL AND DEGREE AWARDED
1983-84

	MPH		MS		MSPH		MHA/ MHSA		OTHER MASTERS		DrPH		ScD		PhD		OTHER DOCT.		JOINT DEGREE		TOTAL	TOTAL[1] MASTERS		TOTAL[1] DOCT.	
ALA	26	59.1%			12	27.3%					1	2.3%							5	11.4%	44	43	97.7%	1	2.3%
BOSTON	92	100.0																			92	92	100.0		
CAL-BERK	192	82.1	4	1.7%					8	3.4%	10	4.3			20	8.5%					234	204	87.2	30	12.8
CAL-UCLA	150	66.4	40	17.7							6	2.7			20	8.8	10	4.4%			226	190	84.1	36	15.9
COLUMBIA	133	68.6	2	1.0							9	4.6							50	25.8	194	185	95.4	9	4.6
HARVARD	98	48.5	71	35.1					4	2.0	1	0.5	21	10.4%					7	3.5	202	180	89.1	22	10.9
HAWAII	108	90.0	8	6.7							1	0.8			3	2.5					120	116	96.7	4	3.3
ILL	54	72.0	12	16.0							2	2.7			7	9.3					75	66	88.0	9	12.0
JHU	171	54.3	20	6.3					56	17.8	8	2.5	22	7.0	38	12.1					315	247	78.4	68	21.6
L.LINDA	134	54.0			95	38.3	13	5.2%			2	0.8					4	1.6			248	242	97.6	6	2.4
MASS	11	37.9	18	62.1																	29	29	100.0		
MICH	132	55.9	31	13.1			46	19.5							27	11.4					236	209	88.6	27	11.4
MINN	99	49.8	38	19.1			54	27.1							8	4.0					199	191	96.0	8	4.0
N.CAR	143	47.0	13	4.3	84	27.6			14	4.6	13	4.3			37	12.2					304	254	83.6	50	16.4
OKLA	34	72.3	3	6.4							5	10.6			5	10.6					47	37	78.7	10	21.3
PITT	42	34.4					15	12.3	51	41.8	3	2.5	1	0.8	10	8.2					122	108	88.5	14	11.5
PR	21	36.8	15	26.3			12	21.1	9	15.8											57	57	100.0		
S.CAR	34	64.2	3	5.7	14	26.4									1	1.9	1	1.9			53	52	98.1	1	1.9
S.DIEGO	30	100.0																			30	30	100.0		
TEXAS	72	66.1	10	9.2							12	11.0			15	3.8					109	82	75.2	27	24.8
TULANE	98	58.0			19	11.2	26	15.4			2	1.2	3	1.8					21	12.4	169	164	97.0	5	3.0
WASH	25	30.9	10	12.3	17	21.0	17	21.0							11	13.6			1	1.2	81	69	85.2	12	14.8
YALE	98	86.7									2	1.8			13	11.5					113	98	86.7	15	13.3
TOTAL	1997	60.5	298	9.0	241	7.3	183	5.6	142	4.3	77	2.3	47	1.4	214	6.5	15	0.5	85	2.6	3299	2945	89.3	354	10.7

[1] Includes joint degrees classified according to SPH degree.

TABLE 4-5
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY AREA AND DEGREE
1983-84

	BIOSTAT	EPID	HSA	PHP&PM	H.EDUC BS	ENV.SCI
MPH	30	274	531	249	183	142
MS	42	37	49	12	12	110
MSPH	3	14	41	6	5	54
MHA/MHSA			169			
OTHER MAST	8	7	21	3	5	49
DrPH	2	12	15	8	8	6
ScD	5	4.5	11	3	5	7.5
PhD	42.5	71.5	14	1	11	48
OTHER DOC					1	10
JOINT DEG		3	55	4		2
TOTAL	132.5	423	906	286	230	428.5
% MASTERS	62.6	79.0	95.6	95.8	89.1	83.3
% DOCTORATES	37.4	21.0	4.4	4.2	10.9	16.7

	OS&H	NUTR	BIOMED	OTHER	NONSPEC	TOTAL
MPH	31	98.5	21	227.5	210	1997
MS	4	12	5	15		298
MSPH	6		18	94		241
MHA/MHSA				14		183
OTHER MAST	15	4	11	19		142
DrPH	2	1	8	15		77
ScD		4	5	2		47
PhD	2	1	22	1		214
OTHER DOC				4		15
JOINT DEG				11	10	85
TOTAL	60	120.5	90	402.5	220	3299
% MASTERS	93.3	95.0	61.1	94.5	100.0	89.3
% DOCTORATES	6.7	5.0	38.9	5.5	-	10.7

TABLE 4-6
U.S. SCHOOLS OF PUBLIC HEALTH
JOINT DEGREES BY AREA, SEX,
CITIZENSHIP & RACE
1983-84

AREA	JOINT DEG.	TOTAL
EPID	MD-PhD	1.0
EPID	MPH-OD	2.0
HSA	MD-MPH	3.0
HSA	MHA-JD	1.0
HSA	MHA-MBA	2.0
HSA	MPH-DDS	1.0
HSA	MPH-MBA	21.0
HSA	MPH-MN	1.0
HSA	MPH-MSN	12.0
HSA	MPH-MSUP	8.0
HSA	MPH-MSW	6.0
PHP&PM	MD-MPH	1.0
PHP&PM	MPH-MSW	2.0
PHP&PM	MPH-PhD	1.0
ENV.SC	MD-MPH	1.0
ENV.SC	MPH-MBA	1.0
OTHER	MD-MPH	7.0
OTHER	MPH-MIA	2.0
OTHER	MPH-MSW	2.0
NONSPEC	MD-MPH	8.0
NONSPEC	MPH-DDS	2.0
Total		85.0

JOINT DEG.	MALE	FEMALE	U.S.	FOREIGN
MD-MPH	15.0	5.0	20.0	.0
MD-PhD	1.0	.0	1.0	.0
MHA-JD	.0	1.0	1.0	.0
MHA-MBA	2.0	.0	1.0	1.0
MPH-DDS	3.0	.0	3.0	.0
MPH-MBA	13.0	9.0	22.0	.0
MPH-MIA	.0	2.0	2.0	.0
MPH-MN	.0	1.0	1.0	.0
MPH-MSN	.0	12.0	11.0	1.0
MPH-MSUP	2.0	6.0	8.0	.0
MPH-MSW	3.0	7.0	9.0	1.0
MPH-OD	1.0	1.0	2.0	.0
MPH-PhD	1.0	.0	1.0	.0
Total	41.0	44.0	82.0	3.0

JOINT DEG.	ASIAN	BLACK	HISPANIC	AMERIND	WHITE
MD-MPH	1.0	4.0	.0	.0	15.0
MD-PhD	.0	.0	.0	.0	1.0
MHA-JD	.0	.0	.0	.0	1.0
MHA-MBA	.0	.0	.0	.0	1.0
MPH-DDS	1.0	.0	.0	.0	2.0
MPH-MBA	2.0	2.0	.0	.0	18.0
MPH-MIA	.0	.0	.0	.0	2.0
MPH-MN	.0	.0	.0	.0	1.0
MPH-MSN	.0	1.0	.0	.0	10.0
MPH-MSUP	.0	.0	.0	.0	8.0
MPH-MSW	.0	1.0	.0	.0	8.0
MPH-OD	1.0	.0	.0	.0	1.0
MPH-PhD	.0	.0	.0	.0	1.0
Total	5.0	8.0	.0	.0	69.0

TABLE 4-7
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY AREA, SEX, CITIZENSHIP & RACE[1]
1983-84

AREA	U.S. MALES	U.S. FEMALES	FOR.MALES	FOR.FEMALES
BIOSTAT	48.5	60.0	13.0	10.0
EPID	147.0	173.0	69.0	24.0
HSA	314.0	486.5	68.5	22.0
PHP&PM	44.0	178.0	29.0	35.0
H.EDUC/BS	38.5	157.5	16.0	13.0
ENV.SC	220.0	161.0	29.5	8.0
OS&H	35.0	18.0	6.0	1.0
NUTR	13.0	90.5	6.0	7.0
BIOMED	37.0	34.0	13.0	6.0
OTHER	70.0	143.5	128.0	54.0
NONSPEC	89.0	92.0	22.0	17.0
Total	1056.0	1594.0	400.0	197.0

AREA	MALES	FEMALES	U.S,	FOREIGN
BIOSTAT	62.5	70.0	108.5	23.0
EPID	219.0	204.0	320.0	93.0
HSA	384.5	519.5	802.5	90.5
PHP&PM	73.0	213.0	222.0	64.0
H.EDUC/BS	56.5	173.5	196.0	29.0
ENV.SC	257.5	171.0	381.0	37.5
OS&H	41.0	19.0	53.0	7.0
NUTR	22.0	98.5	103.5	13.0
BIOMED	50.0	40.0	71.0	19.0
OTHER	200.0	202.5	213.5	182.0
NONSPEC	111.0	109.0	181.0	39.0
Total	1477.0	1820.0	2652.0	597.0

AREA	ASIAN	BLACK	HISPANIC	AMERIND	WHITE
BIOSTAT	5.0	4.0	1.0	.0	87.0
EPID	12.0	17.5	9.0	.0	277.0
HSA	27.0	54.0	30.0	10.0	673.5
PHP&PM	8.0	22.0	15.0	.0	177.0
H.EDUC/BS	10.5	8.0	14.5	10.0	148.0
ENV.SC	18.0	7.5	15.0	1.0	317.5
OS&H	5.0	3.0	.0	.0	41.0
NUTR	8.5	5.5	6.5	1.0	78.0
BIOMED	2.0	2.0	.0	1.0	66.0
OTHER	12.0	11.5	12.0	1.0	173.0
NONSPEC	4.0	15.0	7.0	1.0	153.0
Total	112.0	150.0	110.0	25.0	2191.0

1 Excludes graduates of unknown sex, citizenship and race.

TABLE 4-8
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY AREA, RACE & SEX, 1983-84

MALES

AREA	ASIAN	BLACK	HISP	AMERIND	WHITE
BIOSTAT	2.0	3.0	.0	.0	38.0
EPID	8.0	10.0	3.0	.0	122.5
HSA	11.0	15.0	15.0	5.0	262.0
PHP&PM	1.0	4.0	3.0	.0	36.0
H.EDUC/BS	2.0	1.0	5.0	3.0	26.5
ENV.SC	11.0	2.0	8.0	1.0	187.0
OS&H	2.0	3.0	.0	.0	27.0
NUTR	1.0	1.0	.0	.0	10.0
BIOMED	.0	1.0	.0	.0	36.0
OTHER	6.0	2.0	3.0	1.0	58.0
NONSPEC	3.0	9.0	2.0	1.0	74.0
Total	47.0	51.0	39.0	11.0	877.0

FEMALES

AREA	ASIAN	BLACK	HISP	AMERIND	WHITE
BIOSTAT	3.0	1.0	1.0	.0	49.0
EPID	4.0	7.5	6.0	.0	154.5
HSA	16.0	37.0	15.0	5.0	411.5
PHP&PM	7.0	18.0	12.0	.0	141.0
H.EDUC/BS	8.5	7.0	9.5	7.0	121.5
ENV.SC	7.0	5.5	7.0	.0	130.5
OS&H	3.0	.0	.0	.0	14.0
NUTR	7.5	4.5	6.5	1.0	68.0
BIOMED	2.0	1.0	.0	1.0	30.0
OTHER	6.0	9.5	9.0	.0	115.0
NONSPEC	1.0	6.0	5.0	.0	79.0
Total	65.0	97.0	71.0	14.0	1314.0

HISPANIC GRADUATES EXCLUDING PUERTO RICO

AREA	MALE	FEMALE	TOTAL
BIOSTAT	.0	1.0	1.0
EPID	3.0	1.0	4.0
HSA	7.0	10.0	17.0
PHP&PM	1.0	4.0	5.0
H.EDUC/BS	4.0	6.5	10.5
ENV.SC	2.0	2.0	4.0
OS&H	.0	.0	.0
NUTR	.0	2.5	2.5
BIOMED	.0	.0	.0
OTHER	2.0	8.0	10.0
NONSPEC	1.0	2.0	3.0
Total	20.0	37.0	57.0

TABLE 4-9
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY SCHOOL AND AREA OF SPECIALIZATION
1983-84

	BIOSTAT		EPID.		HSA		PHP&PM		H.EDUC/ BS		ENV.SC		OS&H		NUTR		BIOMED		OTHER		NONSPEC		TOTAL
ALA	1	2.3%	14	31.8%	12	27.3%	5	11.4%	2	4.5%	3	6.8%	6	13.6%							1	2.2%	44
BOSTON			24.5	26.6	47.5	51.6					20	21.7											92
CAL-BERK	7	3.0	36	15.4	45	19.2	37	15.8	33	14.1	30	12.8			12	5.1%	16	6.8%			18	7.7	234
CAL-UCLA	9	4.0	41	18.1	64	28.3			35	15.5	19	8.4			18	8.0			40	17.7%			226
COLUMBIA	11	5.7	9	4.6	100	51.5			7	3.6	7	3.6							33	17.0	27	13.9	194
HARVARD	14	6.9	24.5	12.1	52	25.7	13	6.4	2	1.0	23.5	11.6	4	2.0	6	3.0	2	1.0	17	8.4	44	21.8	202
HAWAII	4	3.3	15	12.5	19	15.8	10	8.3	21	17.5	10	8.3			8	6.7			33	27.5			120
ILL			14	18.7	11	14.7	30	40.0			20	26.7											75
JHU	11	3.5	61	19.4	72	22.9	27	8.6	10	3.2	54	17.1					22	7.0	58	18.4			315
L.LINDA			3	1.2	14	5.6	2	0.8	16	6.5	5	2.0			8	3.2			113	45.6	87	35.1	248
MASS	1	3.5	7	24.1	7	24.1			7	24.1	7	24.1											29
MICH	18.5	7.8	24	10.2	81.5	34.5	15	6.4	23	9.8	34	14.4	21	8.9	8.5	3.6			10.5	4.5			236
MINN	10	5.0	10	5.0	66	33.2	42	21.1	7	3.5	35	17.6			17	8.5					12	6.0	199
N.CAR	19	6.3	20	6.6	80	26.3	47	15.5	29	9.5	54	17.8			26	8.6	29	9.5					304
OKLA	4	8.5	7	14.9	14	29.8			8	17.0	14	29.8											47
PITT	5	4.1	25	20.5	33	27.1	6	4.9			23	18.9	11	9.0			5	4.1	14	11.5			122
PR			6	10.5	13	22.3	10	17.5	5	8.8	11	19.3			4	7.0			3	5.3	5	8.8	57
S.CAR	1	1.9	15	28.3	11	20.8			14	26.4	12	22.6											53
S.DIEGO					2	6.7	19	63.3	3	10.0	1	3.3	5	16.7									30
TEXAS	2	1.8	7	6.4	14	12.8	6	5.5	3	2.8	13	11.9	13	11.9					32	29.4	19	17.4	109
TULANE	1	0.6	15	8.9	44	26.0	17	10.1	5	3.0	6	3.6			13	7.7	12	7.1	49	29.0	7	4.1	169
WASH	9	11.1	17	21.0	31	38.3					20	24.7					4	4.9					81
YALE	5	4.4	28	24.8	73	64.6					7	6.2											113
TOTAL	132.5	4.0	423	12.8	906	27.4	286	8.7	230	7.0	428.5	13.0	60	1.8	120.5	3.7	90	2.7	402.5	12.2	220	6.7	3299

TABLE 4-10
U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES WITH PRIOR M.D. DEGREES BY AREA & DEGREE
1983-84

AREA	U.S.		FOREIGN		TOTAL		% of Graduates with Prior M.D. Degrees [1]
BIOSTAT	3.0	1.3%	.0	-	3.0	0.6%	2.7%
EPID	65.0	28.4%	53.0	21.1%	118.0	24.6	29.8
HSA	44.0	19.2	39.5	15.7	83.5	17.4	10.3
PHP&PM	27.0	11.8	39.0	15.5	66.0	13.8	28.3
H.EDUC/BS	3.0	1.3	5.0	2.0	8.0	1.7	4.0
ENV.SC	18.0	7.9	8.5	3.4	26.5	5.5	7.3
OS&H	11.0	4.8	3.0	1.2	14.0	2.9	29.8
NUTR	4.0	1.7	2.0	0.8	6.0	1.3	6.3
BIOMED	.0	-	4.0	1.6	4.0	0.8	6.6
OTHER	19.0	8.3	75.0	29.9	94.0	19.6	25.4
NONSPEC	35.0	15.3	22.0	8.8	57.0	11.9	28.4
Total	229.0	100.0%	251.0	100.0%	480.0	100.0%	100.0%

DEGREE	U.S.	FOREIGN	TOTAL
MPH	212.0	212.0	424.0
MS	7.0	6.0	13.0
MSPH	2.0	17.0	19.0
MHA/MHSA	1.0	.0	1.0
OTHER.MAST	4.0	9.0	13.0
DrPH	2.0	5.0	7.0
ScD	1.0	.0	1.0
PhD	.0	2.0	2.0
Total	229.0	251.0	480.0

[1] Based on data for 21 schools. Texas and North Carolina excluded.

TABLE 4-11
U.S. SCHOOLS OF PUBLIC HEALTH
HIGHEST PREVIOUS DEGREE OF GRADUATES BY SEX & CITIZENSHIP [1]
1983-84

PRIORDEG	U.S. MALES		U.S. FEMALES		FOR.MALES		FOR.FEMALES	
BACHELOR	530	57.4%	970	67.4%	122	32.6	59	33.1%
NURSING	8	0.9	183	12.7	2	0.5	21	11.8
MASTERS	151	16.3	179	12.4	29	7.8	27	15.2
MD	166	18.0	63	4.4	196	52.4	55	30.9
DDS	26	2.8	9	0.6	10	2.7	6	3.4
DVM	9	1.0	3	0.2	2	0.5	0	-
PhD	20	2.2	18	1.3	7	1.9	1	0.6
OTHER.DOC	10	1.1	10	0.7	4	1.1	3	1.7
OTHER.DEG	4	0.4	4	0.3	2	0.5	6	3.4
UNKNOWN	132	-	155	-	26	-	19	-
Total	1056	100.0%	1594	100.0%	400	100.0%	197	100.0%

PRIORDEG	MALE		FEMALE		U.S.		FOREIGN	
BACHELOR	663	50.3%	1050	63.8%	1500	63.5%	181	32.8%
NURSING	10	0.8	204	12.4	191	8.1	23	4.2
MASTERS	189	14.3	213	12.9	330	14.0	56	10.1
MD	362	27.5	118	7.2	229	9.7	251	45.5
DDS	36	2.7	15	0.9	35	1.5	16	2.9
DVM	11	0.8	3	0.2	12	0.5	2	0.4
PhD	27	2.0	19	1.2	38	1.6	8	1.4
OTHER.DOC	14	1.1	14	0.9	20	0.8	7	1.3
OTHER.DEG	6	0.5	10	0.6	8	0.3	8	1.4
UNKNOWN	159	-	174	-	289	-	45	-
Total	1477	100.0%	1820	100.0%	2652	100.0%	597	100.0%

[1] Excludes graduates of unknown sex & citizenship

TABLE 4-12
U.S. SCHOOLS OF PUBLIC HEALTH
HIGHEST PREVIOUS DEGREE OF GRADUATES BY SCHOOL
1983-84

	BACHELOR	NURSING[1] DEGREE	MASTERS	MD/DO	DDS	DVM	PhD	OTHER DOCTORATE	OTHER DEGREE	UNKNOWN	TOTAL
ALA	26 59.1%	1 2.3%	11 25.0%	3 6.8%	2 4.5%			1 2.3%			44
BOSTON	58 65.2	11 12.4	9 10.1	9 10.1			1 1.1%	1 1.1		3 --	92
CAL-BERK	120 54.1		48 21.6	40 18.0	2 0.9	2 0.9%	7 3.2	3 1.4		12 --	234
CAL-UCLA	162 71.7	17 7.5	18 8.0	19 8.4				10 4.4			226
COLUMBIA	129 66.8	19 9.8	20 10.4	11 5.7	4 2.1		4 2.1	1 0.5	5 2.6%	1 --	194
HARVARD	61 30.2	7 3.5	29 14.4	81 40.1	7 3.5	2 1.0	9 4.5	6 3.0			202
HAWAII	67 55.8	10 8.3	18 15.0	23 19.2	1 0.8		1 0.8				120
ILL	41 54.7	8 10.7	7 9.3	15 20.0	1 1.3		2 2.7	1 1.3			75
JHU	89 29.4	23 7.6	56 18.5	115 38.0	1 0.3	2 0.7	10 3.3	2 0.7	5 1.7	12 --	315
L.LINDA	138 55.6	46 18.5	19 7.7	33 13.3	12 4.8						248
MASS	25 86.2		2 6.9	2 6.9							29
MICH	119 65.7	14 7.7	17 9.4	17 9.4	11 6.1		2 1.1	1 0.6		55 --	236
MINN	149 75.6	18 9.1	17 8.6	6 3.1	1 0.5	1 0.5	2 1.0		3 1.5	2 --	199
N.CAR[2]	102 61.8		46 27.9	6 3.6	5 3.0	2 1.2	3 1.8	1 0.6		139 --	304
OKLA	39 83.0		7 14.9			1 2.1					47
PITT	91 74.6	2 1.6	16 13.1	10 8.2	2 1.6	1 0.8					122
PR	32 56.1	8 14.0	10 17.5	5 8.8	2 3.5						57
S.CAR	44 83.0	4 7.5	2 3.8	3 5.7							53
S.DIEGO	11 36.7	1 3.3		18 60.0							30
TEXAS[3]										109 --	109
TULANE	96 56.8	12 7.1	14 8.3	41 24.3		3 1.8	1 0.6	1 0.6	1 0.6		169
WASH	42 53.2	8 10.1	12 15.2	14 17.7			1 1.3		2 2.5	2 --	81
YALE	72 63.7	5 4.4	24 21.2	9 8.0			3 2.7				113
TOTAL	1713 57.8	214 7.2	402 13.6	480 16.2	51 1.7	14 0.5	46 1.6	28 0.9	16 0.5	335 --	3299

[1] All nursing degrees included in this category -- bachelor's, master's, doctorates.

[2] Only partial data -- no data for graduates enrolled prior to Fall 1982.

[3] No data available.

B. Graduate Trends 1974-75 through 1983-84

In 1960-61 there were 770 graduates of 12 U.S. and 2 Canadian schools of public health. By 1980-81 there were over 3,000 graduates annually from the U.S. schools of public health. Many of the graduate trends reflect student trends and will not be repeated.

The MPH remains the most common degree of graduates, ranging from 60-65% of the degrees awarded each year. The MS accounts for 9-11% of the total degrees, the MSPH for 5-7%, and MHA/MHSA degrees for 4-6%. Two additional schools have added MHA degrees this past year.

The proportion of doctorates increased during the late 1960s to about 9% and has remained at that level, fluctuating slightly from 8-11%. The PhD supplanted the DrPH as the most commonly awarded doctoral degree in the late 1960s. In 1961-62 47% of the doctorates were DrPH degrees and 20% were PhD degrees. In 1983-84 only 22% of the doctorates were DrPH degrees and 61% were PhD degrees. Two doctoral degrees have been added in the past two years -- an EdD degree at South Carolina and a DEnv degree at UCLA. All but two schools of public health now offer doctoral degrees.

During the early 1960s the majority of graduates had healthrelated backgrounds. The professional categories for 1961-62 and 1969-70 graduates were as follows:

	1961-62		1969-70	
physicians	303	38%	379	22%
dentists	32	4%	76	4%
veterinarians	16	2%	24	1%
nurses	64	8%	211	12%
sanitarians	50	6%	63	4%
statisticians	29	4%	85	5%
bacteriologists	32	4%	71	4%
administrators	88	11%	254	15%
educators	64	8%	147	8%
engineers	44	5%	60	4%
others	80	10%	371	21%

Although current data does not provide as much information on professional categories of graduates, some comparison can be made with 1983-84 data on highest previous degree:

physicians	480	16%
dentists	51	2%
veterinarians	14	0.5%
nurses	214	7%

Over the years the graduates of schools of public health have become a more diverse group of individuals. While in some cases the actual number of medically-trained graduates has not decreased, the proportion these individuals represent in the total graduate population certainly has.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF GRADUATES

Graduates by Sex

YEAR	MALES		FEMALES		UNKNOWN	TOTAL
1960-61	556	72.2%	214	27.8%	0	770
1961-62	620	77.3	182	22.7	0	802
1962-63	627	73.7	224	26.3	0	851
1963-64	739	74.0	259	26.0	0	998
1964-65	813	71.2	329	28.8	0	1142
1965-66	831	68.8	377	31.2	0	1208
1966-67	795	68.0	374	32.0	65	1234
1967-68	893	64.9	483	35.1	14	1390
1968-69	1061	66.4	538	33.6	0	1599
1969-70	1148	65.9	593	34.1	0	1741
1974-75[1]	1270	56.1	992	43.9	0	2262
1975-76	1554	53.6	1343	46.4	0	2897
1976-77	1453	52.4	1321	47.6	0	2774
1977-78[1]	1410	50.1	1403	49.9	0	2813
1978-79	1431	49.1	1486	50.9	0	2917
1979-80	1576	47.4	1750	52.6	0	3326
1980-81[2]	1479	46.7	1689	53.3	0	3168
1981-82	1434	44.9	1762	55.1	0	3196
1982-83	1535	44.0	1957	56.0	0	3492
1983-84	1477	44.8	1820	55.2	2	3299

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[1] Puerto Rico did not report in 1974-75 and 1977-78.

[2] Columbia did not report in 1980-81.

Data for 1960-61/1969-70 from Dr. James Troupin and includes two Canadian schools.

Data for 1974-75/1980-81 includes bachelor degrees.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF GRADUATES (Continued)

U.S. Graduates by Race

YEAR	ASIAN		BLACK		HISPANIC		AMERIND		WHITE		UNKNOWN	TOTAL
1974-75	73	4.0%	176	9.8%	38	2.1%[1]	20	1.1%	1495	83.0%	187	1989
1975-76	92	3.7	188	7.5	168	6.7	18	0.7	2037	81.4	32	2535
1976-77	122	4.9	176	7.1	81	3.3	19	0.8	2081	83.9	0	2479
1977-78	113	4.6	148	6.0	48	2.0[1]	22	0.9	2126	86.5	2	2459
1978-79	142	5.4	164	6.3	110	4.2	28	1.1	2179	83.0	0	2623
1979-80	113	3.9	182	6.3	132	4.5	25	0.9	2452	84.4	19	2923
1980-81	149	5.7	163	6.2	119	4.6	24	0.9	2159	82.6	148	2762
1981-82	112	4.4	143	5.6	104	4.0	24	0.9	2181	85.1	156	2720
1982-83	150	5.1	166	5.6	96	3.3	27	0.9	2508	85.1	22	2969
1983-84	112	4.3	150	5.8	110	4.3	25	1.0	2191	84.6	64	2652

Graduates by Citizenship

YEAR	U.S.		FOREIGN		UNKNOWN	TOTAL
1974-75	1989	87.9%	273	12.1%	0	2262
1975-76	2535	87.5	362	12.5	0	2897
1976-77	2479	89.4	295	10.6	0	2774
1977-78	2459	87.4	354	12.6	0	2813
1978-79	2623	89.9	294	10.1	0	2917
1979-80	2923	87.9	403	12.1	0	3326
1980-81	2762	87.2	406	12.8	0	3168
1981-82	2720	85.1	476	14.9	0	3196
1982-83	2969	85.0	523	15.0	0	3492
1983-84	2652	81.6	597	18.4	50	3299

[1] Puerto Rico did not report in 1974-75 and 1977-78.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF GRADUATES (Continued)

Graduates by Degree Awarded[1]

YEAR	BACHELOR		MPH		MS		MSPH		MHA/ MHSA		OTHER MASTERS	
1974-75	39	1.7%	1497	66.2%	N/A		148	6.5%	N/A		388[2]	17.2%
1975-76	133	4.6	1803	62.2	243	8.4%	188	6.5	147	5.1%	151	5.2
1976-77	85	3.0	1681	60.6	274	9.9	96	3.5	156	5.6	246	8.9
1977-78	71	2.5	1851	65.8	251	8.9	152	5.4	91	3.2	134	4.8
1978-79	69	2.4	1829	62.7	322	11.0	158	5.4	115	3.9	135	4.6
1979-80	65	2.0	2076	62.4	374	11.2	212	6.4	161	4.8	129	3.9
1980-81	126	4.0	1918	60.5	307	9.7	211	6.7	133	4.2	170	5.4
1981-82	N/A		2089	65.3	326	10.2	184	5.8	143	4.5	131	4.1
1982-83	N/A		2283	65.4	373	10.7	176	5.0	200	5.7	130	3.7
1983-84	N/A		2058	62.4	298	9.0	241	7.3	186	5.6	142	4.3

YEAR	DrPH		ScD		PhD		OTHER DOCTORATE		MD/MPH		TOTAL
1974-75	69	3.0%	32	1.4%	76	3.4%	13	0.6%	N/A		2262
1975-76	90	3.1	35	1.2	94	3.2	13	0.5	N/A		2897
1976-77	82	3.0	37	1.3	88	3.2	0	0	29	1.0%	2774
1977-78	69	2.5	55	2.0	102	3.6	11	0.4	26	0.9	2813
1978-79	84	2.9	43	1.5	125	4.3	13	0.5	24	0.8	2917
1979-80	76	2.3	55	1.7	141	4.2	17	0.5	20	0.6	3326
1980-81	80	2.5	53	1.7	140	4.4	9	0.3	21	0.6	3168
1981-82	113	3.5	40	1.3	138	4.3	15	0.5	17	0.5	3196
1982-83	89	2.6	46	1.3	154	4.4	17	0.5	24	0.7	3492
1983-84	77	2.3	47	1.4	214	6.5	15	0.5	21[3]	0.6	3299

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1 Joint degrees (except MD-MPH) are included with the appropriate SPH degree.

2 Includes MS, MHA/MHSA and Other Masters.

3 Includes one MD-PhD

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF GRADUATES (Continued)

Graduates by Area of Specialization[1]

YEAR	BIOSTAT		EPID		HSA		PHP&PM		S.EDUC/ BS		ENV.SC	
1974-75	128	6.2%	207	10.2%	637	31.3%	259	12.7%	100	4.9%	257	12.6%
1975-76	141	4.8	266	9.2	932	32.2	400	13.8	221	7.6	364	12.6
1976-77	148	5.3	291	10.5	812	29.3	312	11.3	181	6.5	373	13.4
1977-78	159	5.7	313	11.1	737	26.2	310	11.0	182	6.4	421	15.0
1978-79	135	4.6	354	12.1	760	26.1	298	10.2	176	6.1	444	15.2
1979-80	138	4.1	265	8.0	864	26.0	384	11.5	291	8.7	395	11.9
1980-81	141	4.5	281	8.9	736	23.2	263	8.3	264	8.3	375	11.8
1981-82	157	4.9	349.5	10.9	832.5	26.0	346.5	10.9	222	7.0	344.5	10.8
1982-83	148.5	4.3	392.5	11.2	962	27.6	362	10.4	233	6.7	420.5	12.0
1983-84	132.5	4.0	423	12.8	906	27.4	286	8.7	230	7.0	428.5	13.0

YEAR	OS&H		NUTR		BIOMED		OTHER		NONSPEC		UNKNOWN	TOTAL
1974-75	26	1.3%	120	5.9%	32	1.6%	259	12.7%	13	0.6%	224	2262
1975-76	43	1.5	145	5.0	74	2.6	226	7.8	85	2.9	0	2897
1976-77	22	0.8	131	4.7	61	2.2	443	16.0	N/A		0	2774
1977-78	19	0.7	140	5.0	88	3.1	444	15.8	N/A		0	2813
1978-79	22	0.8	164	5.6	88	3.0	476	16.3	N/A		0	2917
1979-80	92	2.8	167	5.0	124	3.7	511	15.4	95	2.9	0	3326
1980-81	114	3.6	209	6.6	98	3.1	500	15.8	187	5.9	0	3168
1981-82	146.5	4.6	204.5	6.4	92	2.9	302	9.5	194	6.1	5	3196
1982-83	95.5	2.7	158.5	4.5	72	2.1	290.5	8.3	357	10.2	0	3492
1983-84	60	1.8	120.5	3.7	90	2.7	402.5	12.2	220	6.7	0	3299

1 Graduates with dual majors counted as .5 in each area beginning in 1981/82.

U.S. SCHOOLS OF PUBLIC HEALTH
CHARACTERISTICS OF GRADUATES (Continued)

Graduates by Highest Previous Degree

YEAR	BACHELOR		NURSING DEGREE[1]		MASTERS		MD/DO		DDS	
1981-82	1339	63.3%	N/A		289	13.7%	378	17.9%	34	1.6%
1982-83	1576	59.2	185	7.0%	330	12.4	430	16.2	54	2.0
1983-84	1713	57.8	214	7.2	402	13.6	480	16.2	51	1.7

YEAR	DVM		PhD		OTHER DOCT.		OTHER DEGREE		UNKNOWN	TOTAL
1981-82	6	0.3%	41	2.0%	24	1.1%	3	0.1%	1082	3196
1982-83	15	0.6	34	1.3	16	0.6	20	0.8	832	3492
1983-84	14	0.5	46	1.6	28	0.9	16	0.5	335	3299

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[1] Nursing degree category includes nursing degrees at all levels -- bachelor, master or doctoral.

U.S. SCHOOLS OF PUBLIC HEALTH
GRADUATES BY SCHOOL BY MASTERS/DOCTORAL DEGREES

	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84
ALA	*	*	*	1/0	13/0	12/0	20/0	30/0	55/2	43/1
BOSTON	*	*	*	*	*	*	*	75/0	87/0	92/0
CAL-BERK	201/19	245/15	233/26	255/19	203/14	214/11	229/20	184/18	204/18	204/30
CAL-UCLA	151/12	190/26	171/13	171/14	212/26	186/14	201/16	185/24	182/16	190/36
COLUMBIA	62/5	88/6	89/9	102/8	105/6	153/12	**	137/11	149/7	185/9
HARVARD	147/11	186/16	177/14	196/28	217/32	232/34	216/39	200/26	209/21	180/22
HAWAII	57/0	97/0	131/0	143/0	152/1	160/0	158/1	149/3	176/4	116/4
ILL	62/0	89/0	79/0	79/1	67/0	59/1	82/5	78/4	86/11	66/9
JHU	175/34	159/44	191/36	177/48	213/40	180/68	240/48	220/43	211/49	247/68
L.LINDA	90/13	93/13	107/10	130/11	101/13	180/18	148/9	134/15	162/14	242/6
MASS	27/0	53/0	24/0	27/0	35/0	47/0	41/0	42/0	57/0	29/0
MICH	335/6	386/16	303/19	241/16	254/34	300/25	266/21	285/18	356/20	209/27
MINN	101/5	144/6	154/3	193/4	166/10	215/9	161/11	205/4	249/7	191/8
N.CAR	199/29	205/28	205/22	221/35	228/30	236/35	224/33	229/46	230/45	254/50
OKLA	43/21	53/9	55/12	38/11	40/12	34/12	47/14	35/14	39/14	37/10
PITT	89/6	143/9	127/12	112/11	116/7	155/15	135/18	111/24	122/19	108/14
PR	**	88/0	54/0	**	64/0	89/0	58/0	47/0	48/0	57/0
S.CAR	*	*	30/0	38/0	24/0	52/0	45/0	70/0	41/3	52/1
S.DIEGO	*	*	*	*	*	*	*	10/0	39/0	30/0
TEXAS	78/22	86/29	85/19	90/16	93/17	126/14	143/23	149/38	131/25	82/27
TULANE	94/4	119/8	120/4	150/3	140/6	161/7	178/4	136/7	172/13	164/5
WASH	31/0	39/3	61/0	56/5	56/8	71/9	67/14	85/6	85/10	69/12
YALE	91/3	69/4	86/8	85/7	84/9	110/5	101/6	94/5	96/8	98/15
TOTAL	2033/190	2532/232	2482/207	2505/237	2583/265	2972/289	2760/282	2890/306	3186/306	2945/354
	2223	2764	2689	2742	2848	3261	3042	3196	3492	3299

* Indicates school not yet in operation.
** Indicates missing data.

V. EXPENDITURES, 1983-84

Expenditures are the total monies spent by the school of public health during the fiscal year. Expenditures do not necessarily represent the amount budgeted for the schools nor total monies available under grants and contracts.

Expenditures for 22 schools totaled $229.9 million for FY 1983-84. If allowances are made for the school that did not report expenditures, this figure represents a 10% increase over FY 1982-83. Of total funds expended, almost half (49%) were from institutional sources, 37% were from federal sources and 14% were from other sources. In FY 1974-75, institutional sources accounted for only 36% of expenditures, federal sources 55% and other sources 9%. Over the past ten years expenditures have more than doubled, and there has been a shift toward more reliance on institutional and other funds and less reliance on federal monies.

TABLE 5-1

U.S. SCHOOLS OF PUBLIC HEALTH
EXPENDITURES 1983-84

UNIVERSITY FUNDS

SCHOOL	SALARY	FRINGE	TOTAL SALARY & FRINGE	STUDENT AID	NON-PERSONNEL EXPENSES	INDIRECT EXPENSES	TOTAL UNIVERSITY
25[1]	0	0	0	0	0	0	0
26	6854870	1475878	8330748	2698094	3335886	2807787	17172515
27	5419733	1165243	6584976	402759	199939	5564717	12752391
28	3745160	1027812	4772972	0	238015	773221	5784208
29	1339872	328298	1668170	115755	309854	1684822	3778601
30	2029000	275000	2304000	0	231700	737300	3273000
31	2963929	783320	3747249	572	434198	1262822	5444841
32	4493000	906000	5399000	449000	5393000	480000	11721000
33	2705595	593030	3298625	0	430972	1181805	4911402
34	1034768	382864	1417632	0	136385	344895	1898912
35	1486806	201581	1688387	8641	634418	389068	2720514
36	1174436	201220	1375656	0	172221	355056	1902933
37	1275036	232968	1508004	4847	646130	1041291	3200272
38	818951	0	818951	0	60704	0	879655
39	2703971	700242	3404213	30844	511601	2583809	6530467
40	1093600	229052	1322652	0	100195	555513	1978360
41	4824061	1132790	5956851	0	754554	2618105	9329510
42	3118912	623782	3742694	0	431461	2106156	6280311
43	1475400	292900	1768300	105000	496500	2754461	5124261
44	1188723	193983	1382706	51003	150447	35525	1619681
45	1333367	291393	1624760	23499	489368	309440	2447067
46	924854	123930	1048784	19500	248326	1811127	3127737
47	475600	99900	575500	0	23500	0	599000
Total	52479644	11261186	63740830	3909514	15429374	29396920	112476638

[1]School did not report expenditures for 1983-84.

TABLE 5-2

U.S. SCHOOLS OF PUBLIC HEALTH
EXPENDITURES 1983-84

GRANTS & CONTRACTS/TOTAL EXPENDITURES

SCHOOL	U.S. GOVERNMENT				OTHER SOURCES					
	RESEARCH GRANTS	TRAINING GRANTS	STUDENT AID	SUB-TOTAL	RESEARCH GRANTS	TRAINING GRANTS	STUDENT AID	SUB-TOTAL	TOTAL GRANTS	TOTAL EXPENDITURES
25	0	0	0	0	0	0	0	0	0	0
26	16521757	1125320	2585918	20232995	4465994	1047793	347187	5860974	26093969	43266484
27	2953290	423768	550836	3927894	2995862	532214	245800	3773876	7701770	20454161
28	2091896	144494	382946	2619336	1123381	20814	31491	1175686	3795022	9579230
29	1711228	546893	789184	3047305	323661	343649	19750	687060	3734365	7512966
30	699800	37200	92700	829700	277800	4600	9200	291600	1121300	4394300
31	1861699	1058205	183839	3103743	462802	24748	0	487550	3591293	9036134
32	11597000[1]	0	1476000	13073000	8894000[1]	0	588000	9482000	22555000	34276000
33	6799244	835205	318289	7952738	723051	415263	16800	1155114	9107852	14019254
34	536559	679362	157640	1373561	61236	23930	0	85166	1458727	3357639
35	1234492	274316	0	1508808	333507	564095	0	897602	2406410	5126924
36	127630	133709	27823	289162	59887	3103	3493	66483	355645	2258578
37	806513	0	101475	907988	73131	0	0	73131	981119	4181391
38	112389	73369	0	185758	206345	90822	45893	343060	528818	1408473
39	2750952	551135	49465	3351552	1213738	525609	0	1739347	5090899	11621366
40	1733382	198655	77109	2009146	0	63370	0	63370	2072516	4050876
41	2195497	618852	214680	3029029	543327	350057	22644	916028	3945057	13274567
42	5252487	1207706	543097	7003290	1757422	139200	0	1896622	8899912	15180223
43	3442500	102000	682700	4227200	539300	0	100	539400	4766600	9890861
44	1263948	0	51182	1315130	0	0	0	24351[2]	1339481	2959162
45	830282	440735	96230	1367247	205628	422502	17138	645268	2012515	4459582
46	1397195	1722344	120534	3240073	2239351	82432	2115	2323898	5563971	8691708
47	0	113150	0	113150	202700	0	0	202700	315850	914850
Total	65919740	10286418	8501647	84707805	26702123	4654201	1349611	32730286	117438091	229914729

[1] Research and training grants combined.

[2] Miscellaneous funds from State.

U.S. SCHOOLS OF PUBLIC HEALTH
EXPENDITURES

FY	INSTITUTIONAL SOURCES		FEDERAL SOURCES		OTHER SOURCES		TOTAL EXPENDITURES
1974-75	$43,613,028	35.7%	$67,180,975	54.9%	$11,521,854	9.4%	$122,315,857
1976-77	54,456,054	38.0	73,281,169	51.1	15,554,536	10.9	143,291,759
1977-78	63,821,421	39.8	79,581,854	49.6	16,969,924	10.6	160,373,199
1979-80	82,227,292	40.6	95,920,799	47.4	24,330,800	12.0	202,478,891
1980-81	91,696,770	41.6	105,123,883	47.7	23,580,608	10.7	220,401,261
1981-82	109,925,409	45.9	101,734,232	42.4	28,121,885	11.7	239,781,526
1982-83[1]	112,532,050	48.9	90,662,549	39.4	27,080,347	11.7	230,274,946
1983-84[1]	112,476,638	48.9	84,707,805	36.8	32,730,286	14.3	229,914,729

[1] One school did not report. In 1982-83 a small school was not included, and total expenditures were not greatly affected. However, in 1983-84 one of the largest schools was not included, and total expenditures are significantly underreported.